

BU's BEST

Biomedical Workforce Data 2022



Table of Contents

<u>Title</u>	<u>Page</u>
Labor Insight™.....	3
Career Paths:Job Trends Summary.....	4
Academic Research.....	5
Business & Administration.....	11
Communication.....	17
Industry Research.....	23
Law.....	29
Policy.....	35
Teaching.....	41

*These data can also be found online at www.bu.edu/BEST.
This work was supported by NIH Grant DP7OD02032, BU's BEST.*

Labor Insight™

About

Labor Insight™ is software offered by Burning Glass® Technologies. This tool allows educational institutions and others to analyze the job market so as to identify demand for specific jobs as well as the skills and credentials employers are seeking to fill the jobs. The data also enable analysis of regional demand and job trends. The information allows educational institutions to plan programming to meet employer needs. Moreover, trainees can use the data to identify training opportunities that will best prepare them to achieve their career goals.

As the search engine is constantly updated, the trend data (job postings/year) reported here does not necessarily match the exact values reported in previous years.

Workflow

1. Develop a search based on various criteria: industry, job type, required credentials, skill demand, experience, location, etc.
2. View reports: top job titles, top job skills, top employers, job trends, job demand maps, etc.

Notes

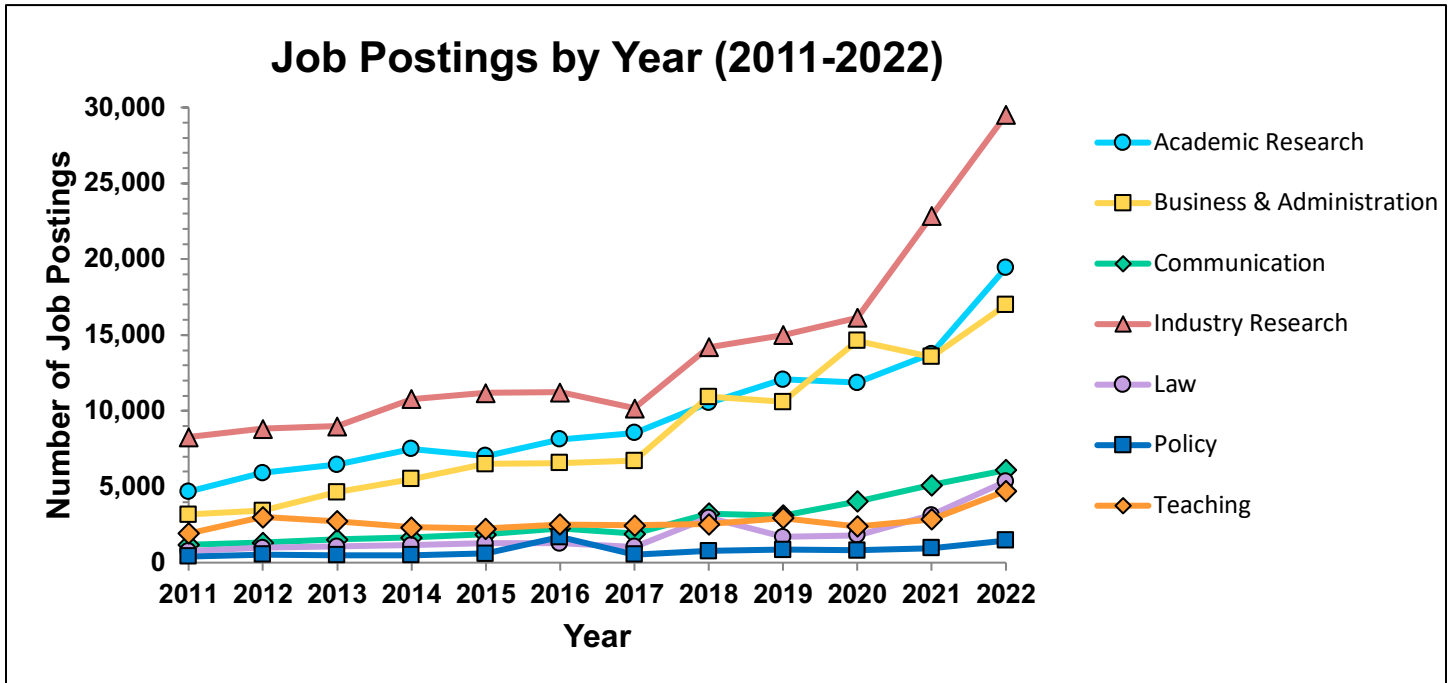
All searches were performed such that the reported jobs require or prefer that the applicant earned a PhD.

Caveats & Disclaimers

Date ranges are January 1, 2022 – December 31, 2022 for job searches (trend analysis, 2011-2022).

As the data are generated through job advertisements, small and midsized companies hiring small numbers of employees might not be listed in “top employers” but should not be ruled out.

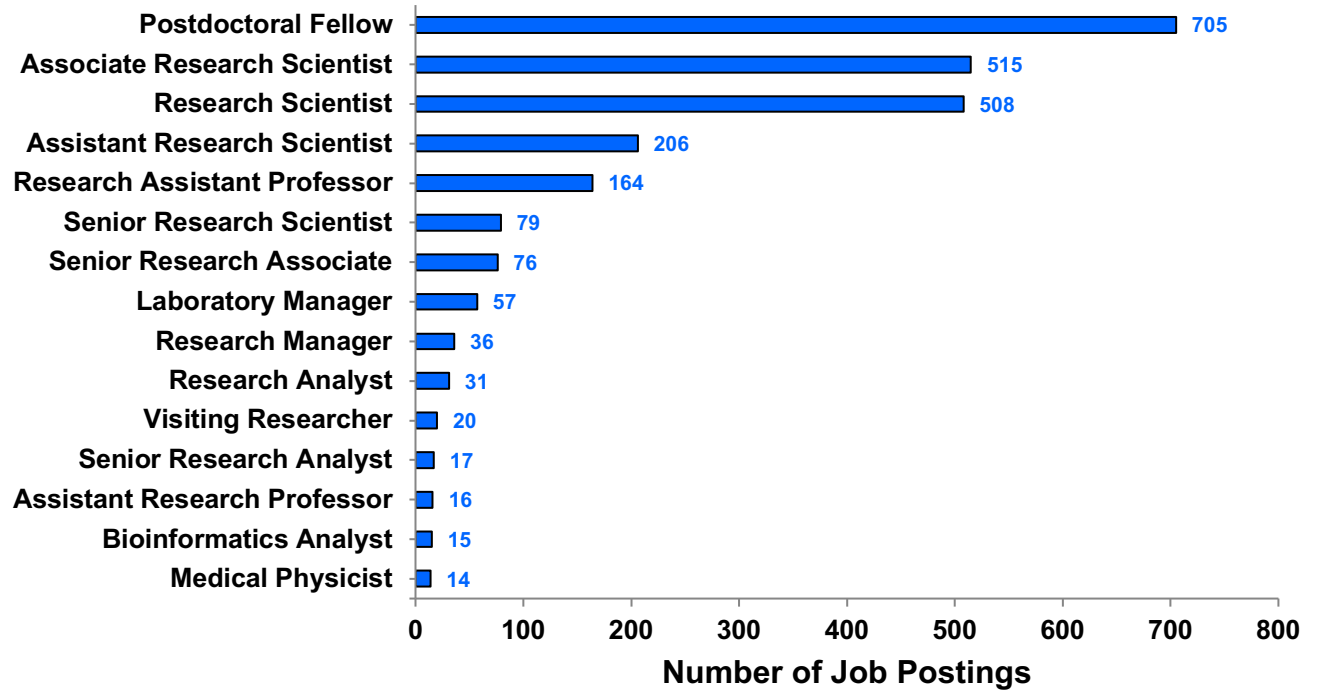
Career Paths: Job Trends Summary



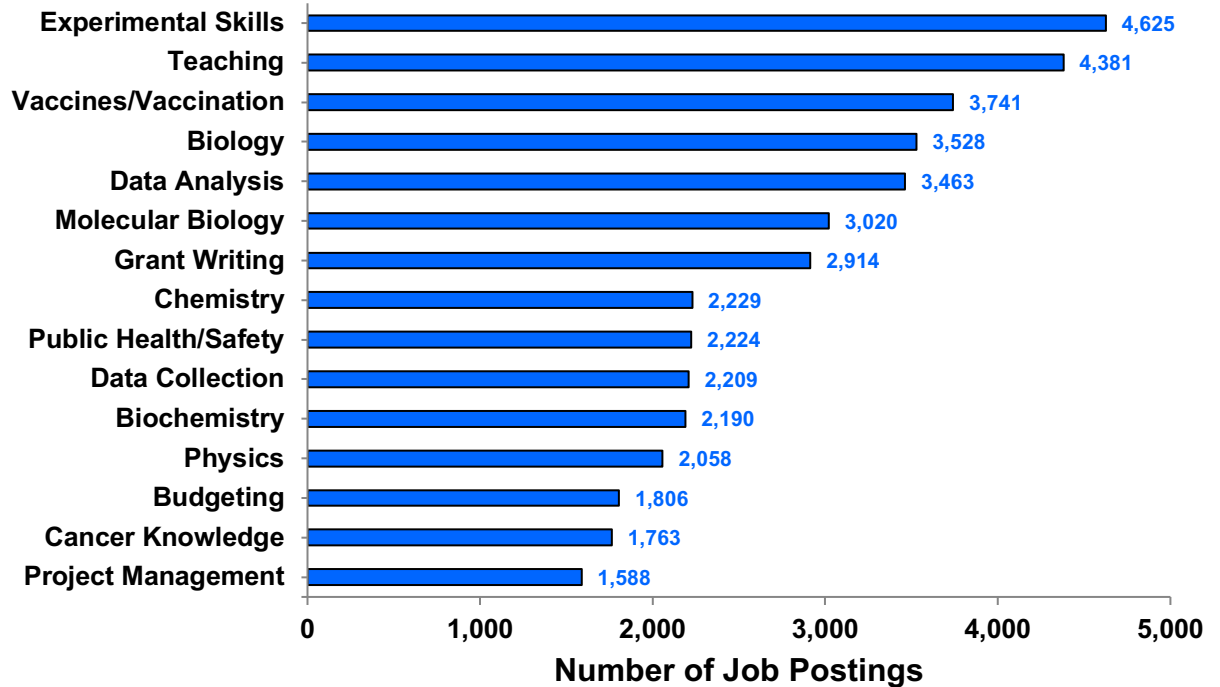
Academic Research

Number of job postings (nationwide):
19,439

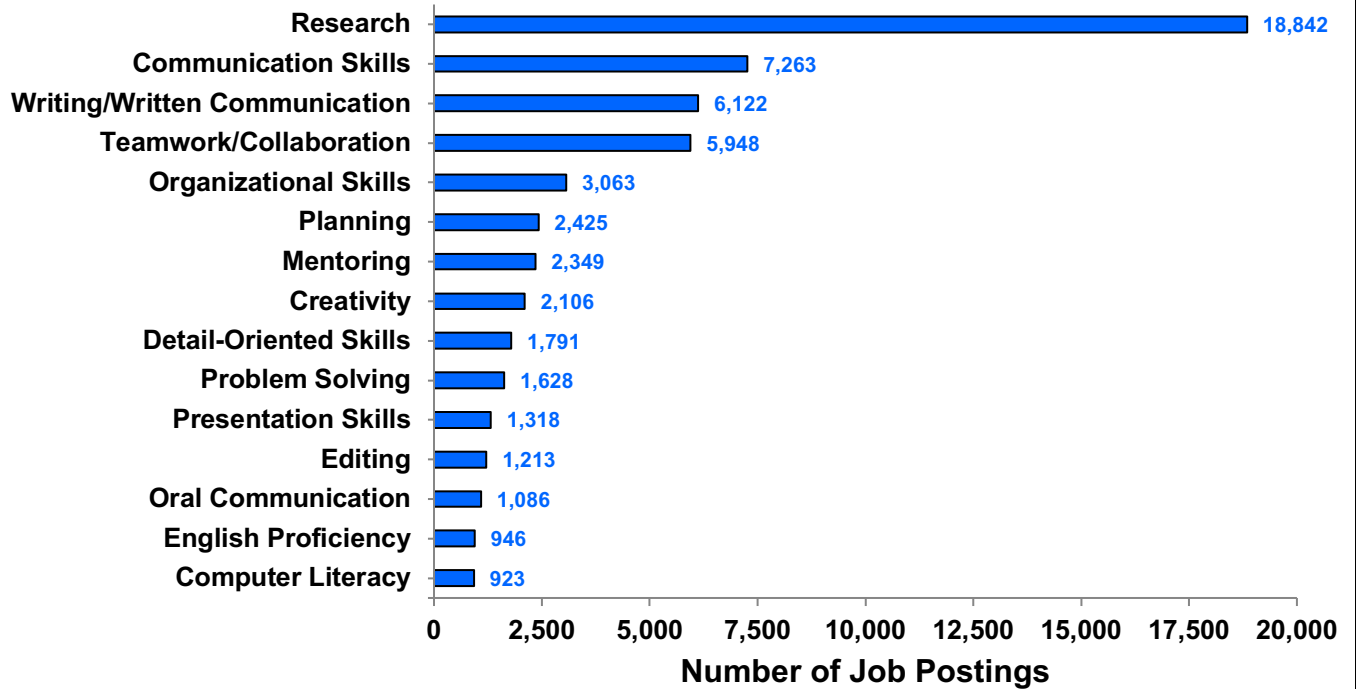
Job Titles: Academic Research 2022



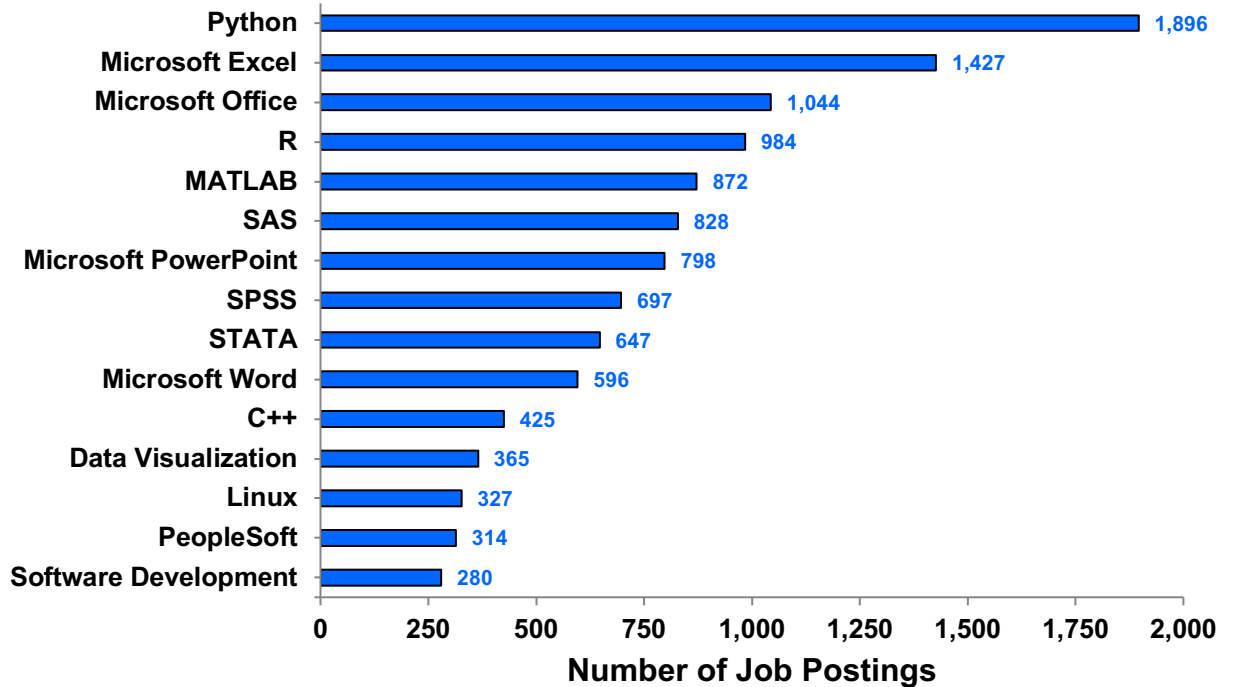
Specialized (Hard) Skills: Academic Research 2022



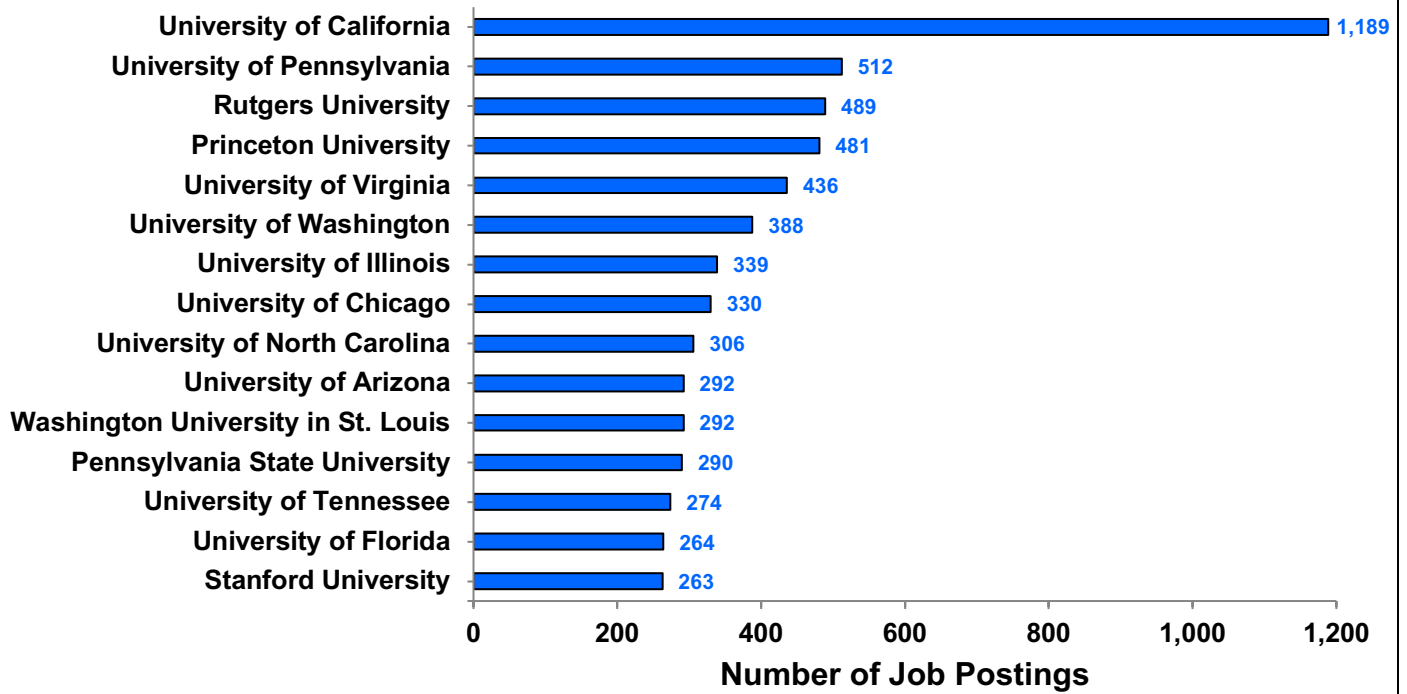
Baseline (Soft) Skills: Academic Research 2022



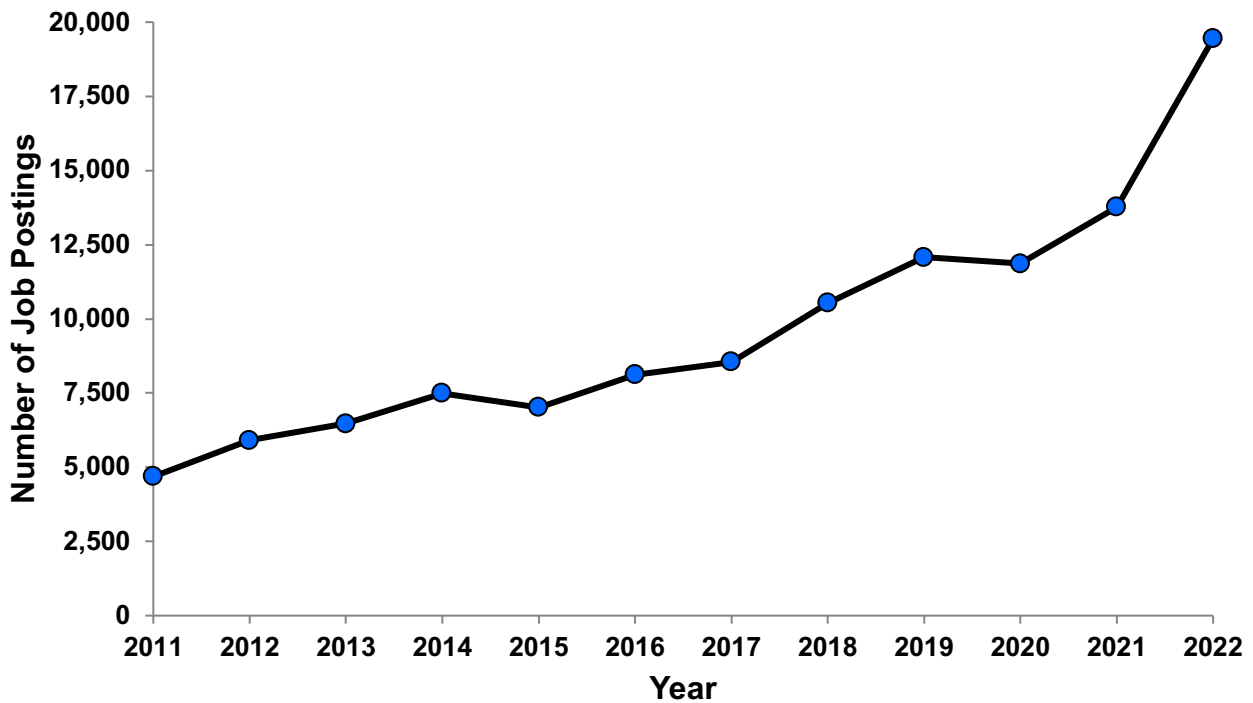
Computer Skills: Academic Research 2022



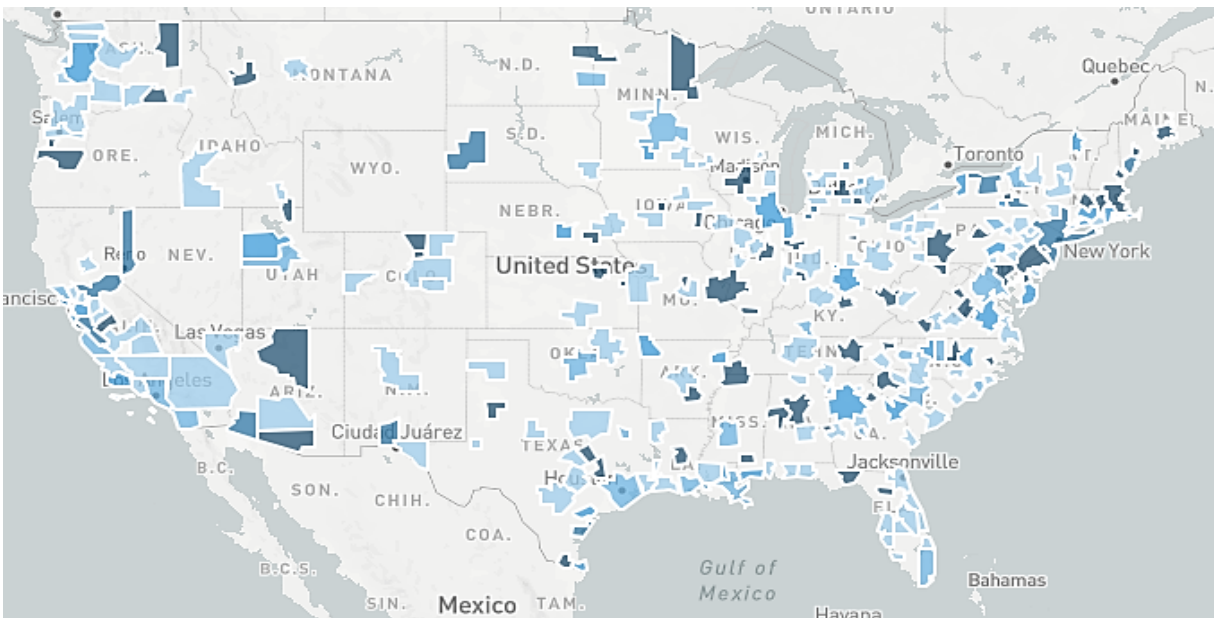
Employers: Academic Research 2022



Job Postings by Year: Academic Research 2011-2022



Demand Areas by MSA: Academic Research 2022

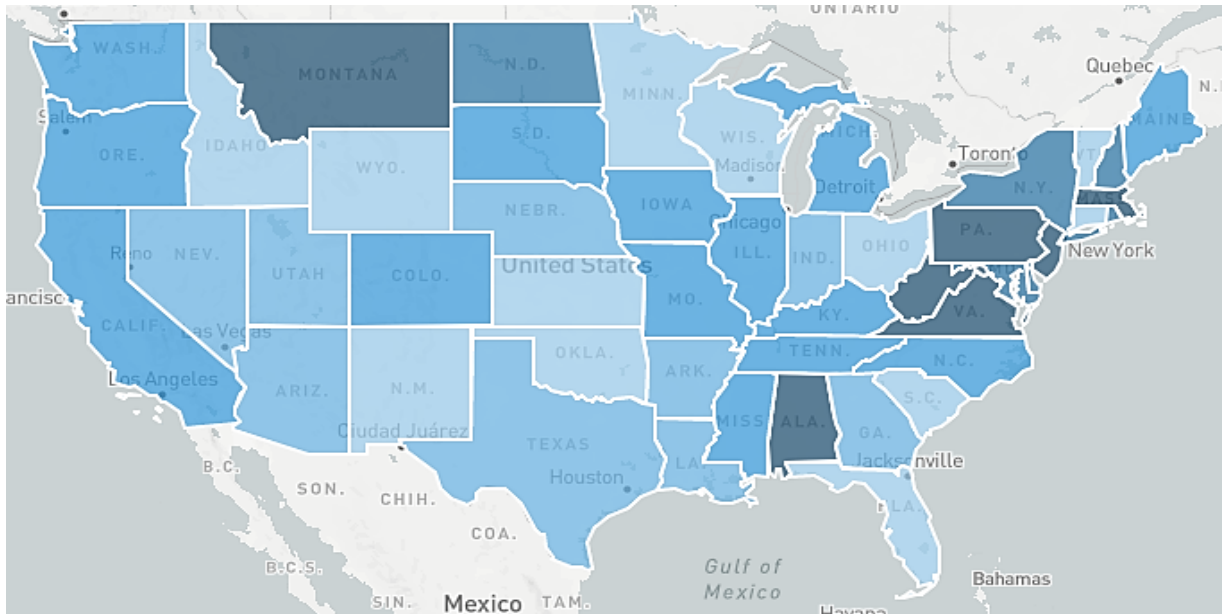


Much Lower
 Lower
 Average
 Higher
 Much Higher

Metropolitan Statistical Area (MSA)	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	1,175
Boston-Cambridge-Nashua, MA-NH*	787
Chicago-Naperville-Elgin, IL-IN-WI	733
Los Angeles-Long Beach-Anaheim, CA	695
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	672
San Francisco-Oakland-Hayward, CA	543
Trenton, NJ	484
Charlottesville, VA	470
Atlanta-Sandy Springs-Roswell, GA	372
Durham-Chapel Hill, NC	365
Baltimore-Columbia-Towson, MD	336
St. Louis, MO-IL	330
Pittsburgh, PA	314
Seattle-Tacoma-Bellevue, WA	314
Washington-Arlington-Alexandria, DC-VA-MD-WV	307

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Academic Research 2022



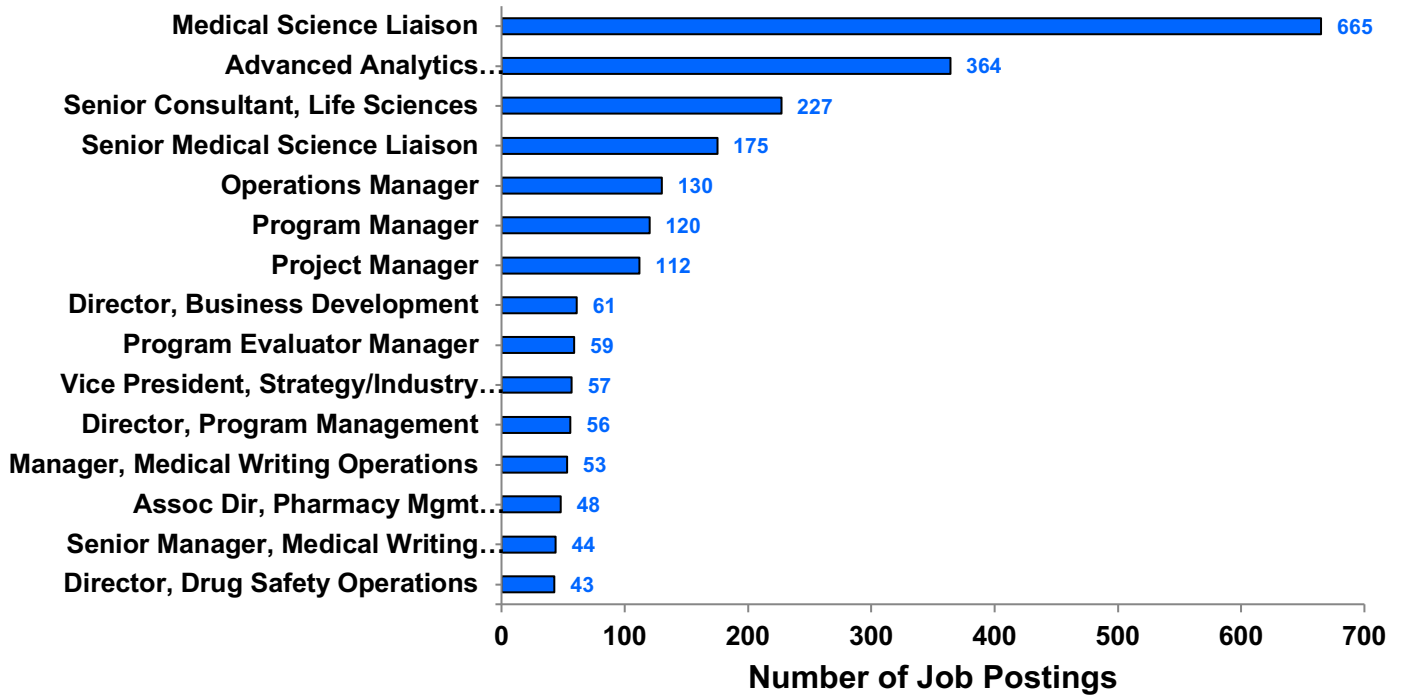
Much Lower
 Lower
 Average
 Higher
 Much Higher

State	Job Postings
California	2,267
Pennsylvania	1,218
New York	1,130
Texas	1,120
Massachusetts	1,010
New Jersey	957
Illinois	891
Virginia	859
North Carolina	713
Florida	698
Colorado	575
Michigan	509
Washington	502
Georgia	474
Ohio	448

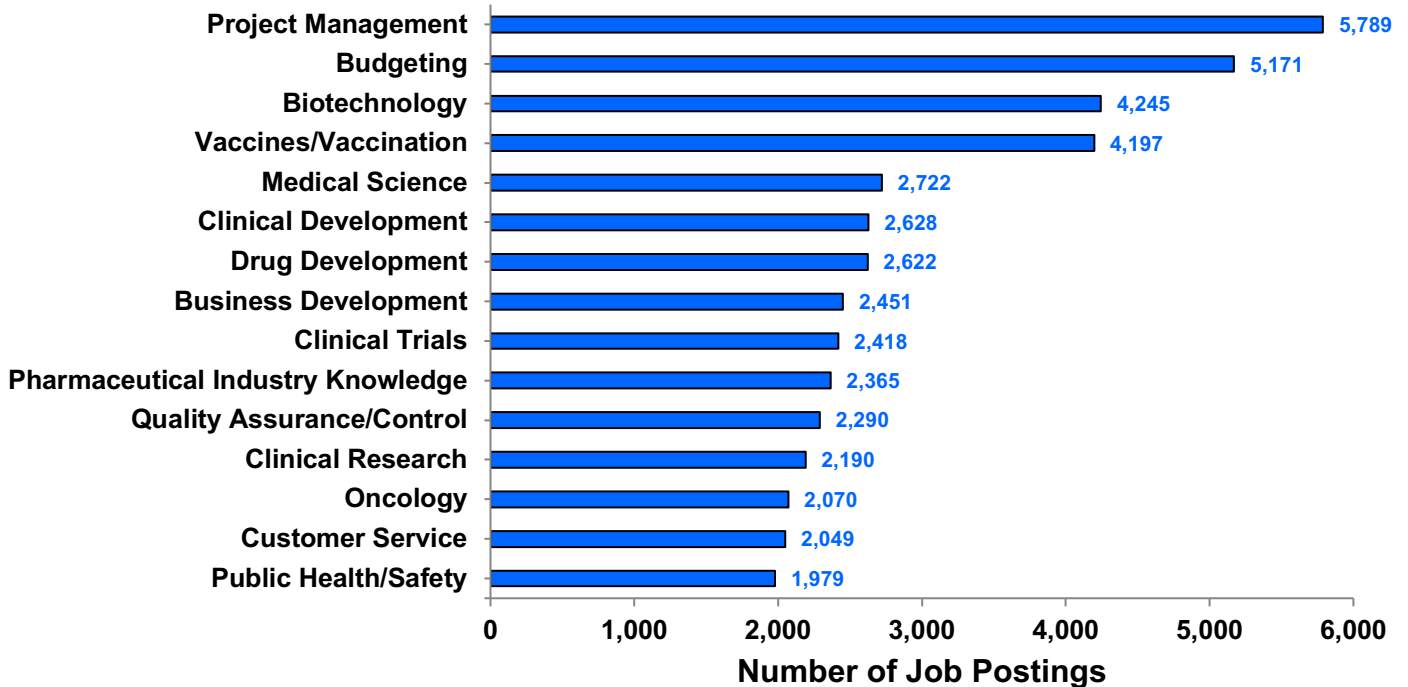
Business & Administration

Number of job postings (nationwide):
16,985

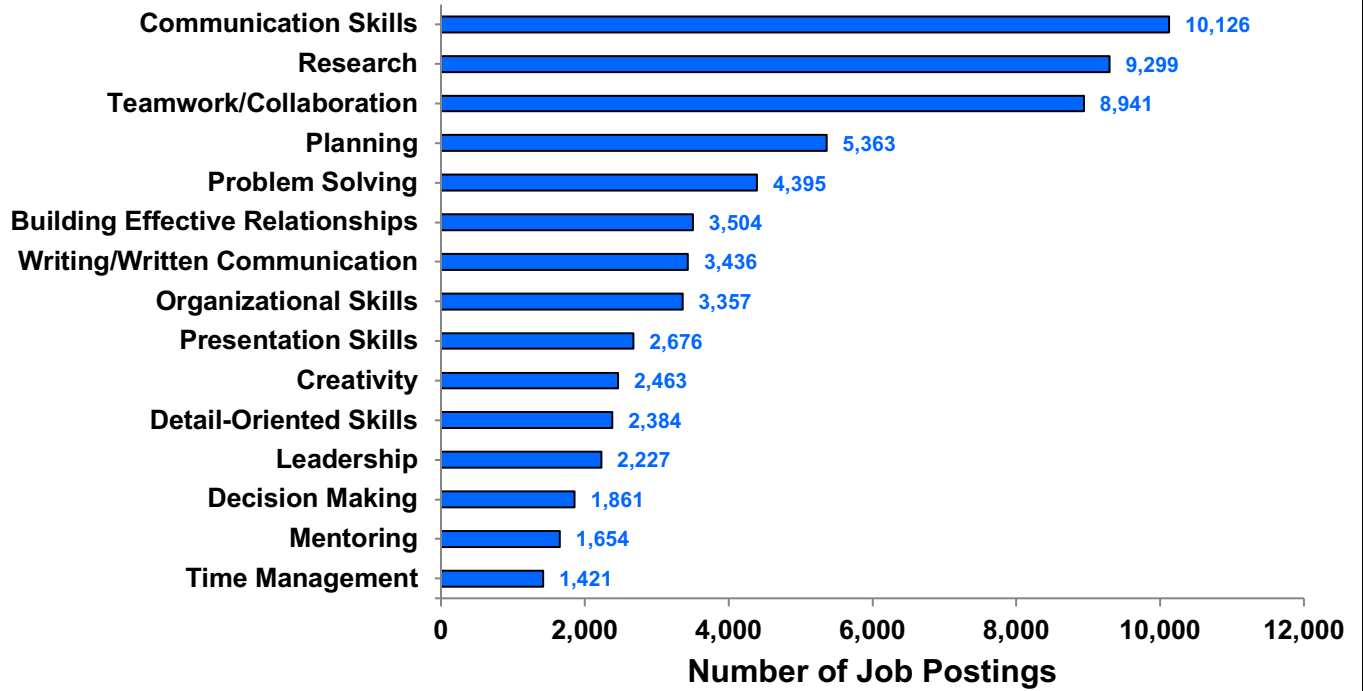
Job Titles: Business & Administration 2022



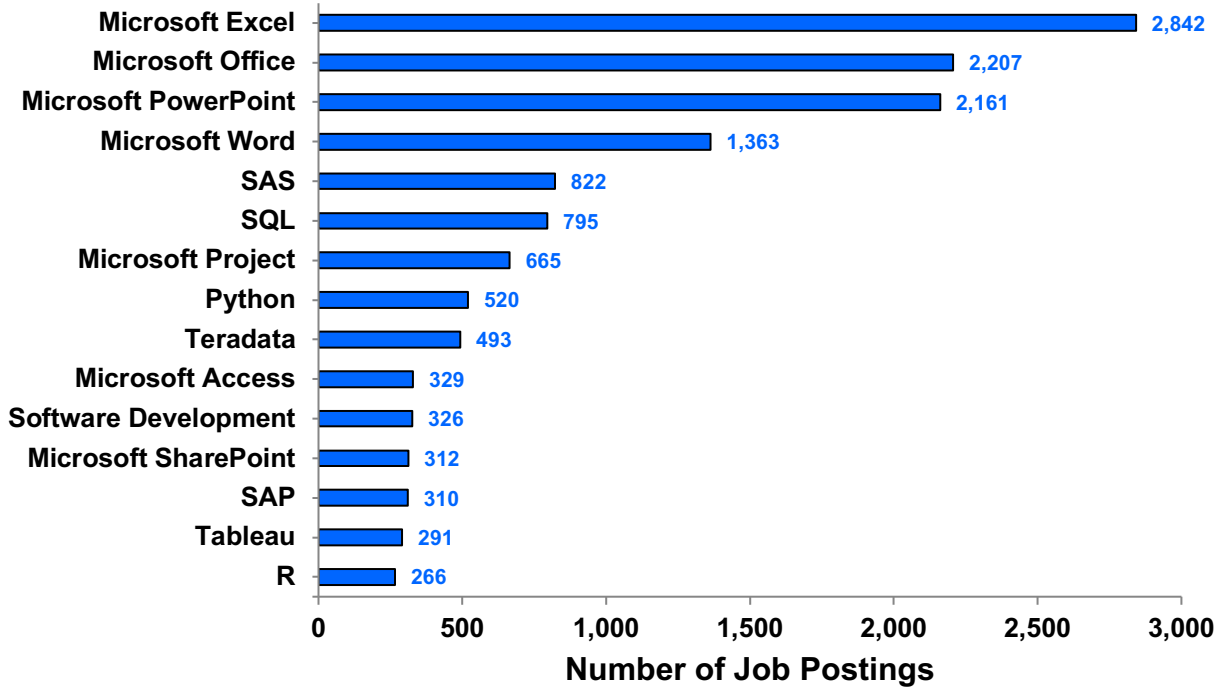
Specialized (Hard) Skills: Business & Administration 2022



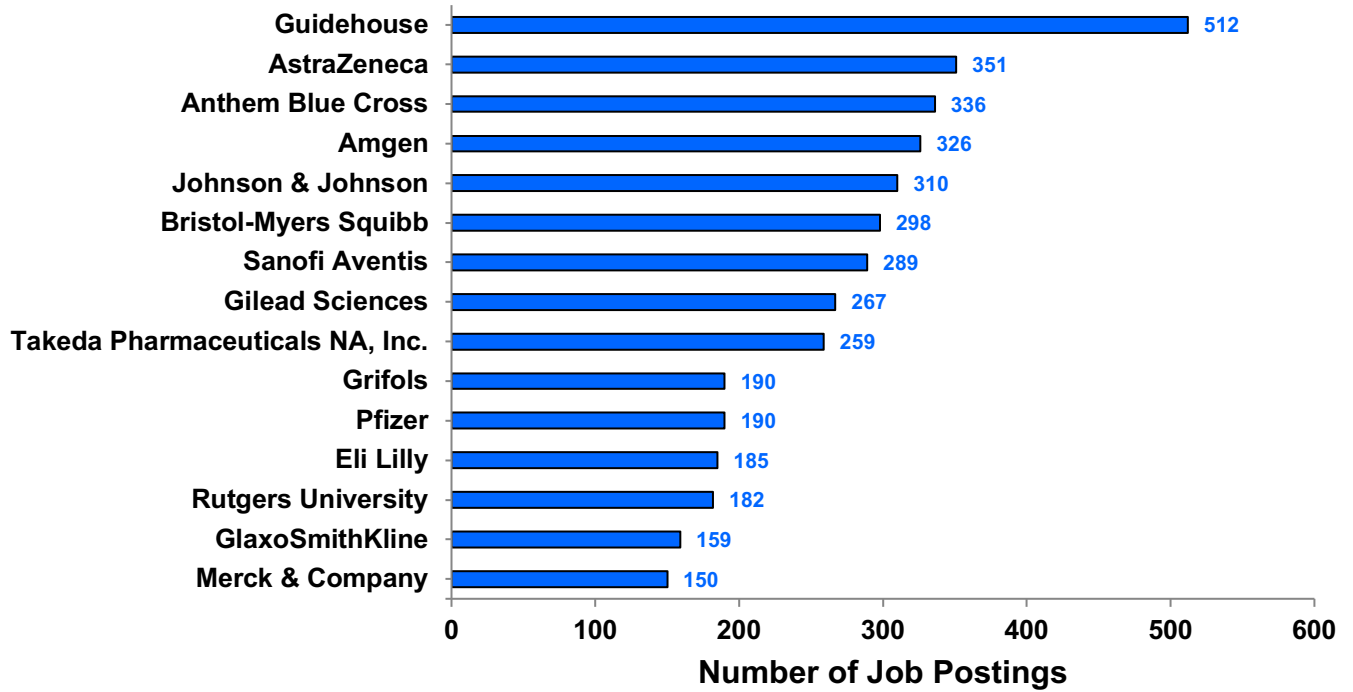
Baseline (Soft) Skills: Business & Administration 2022



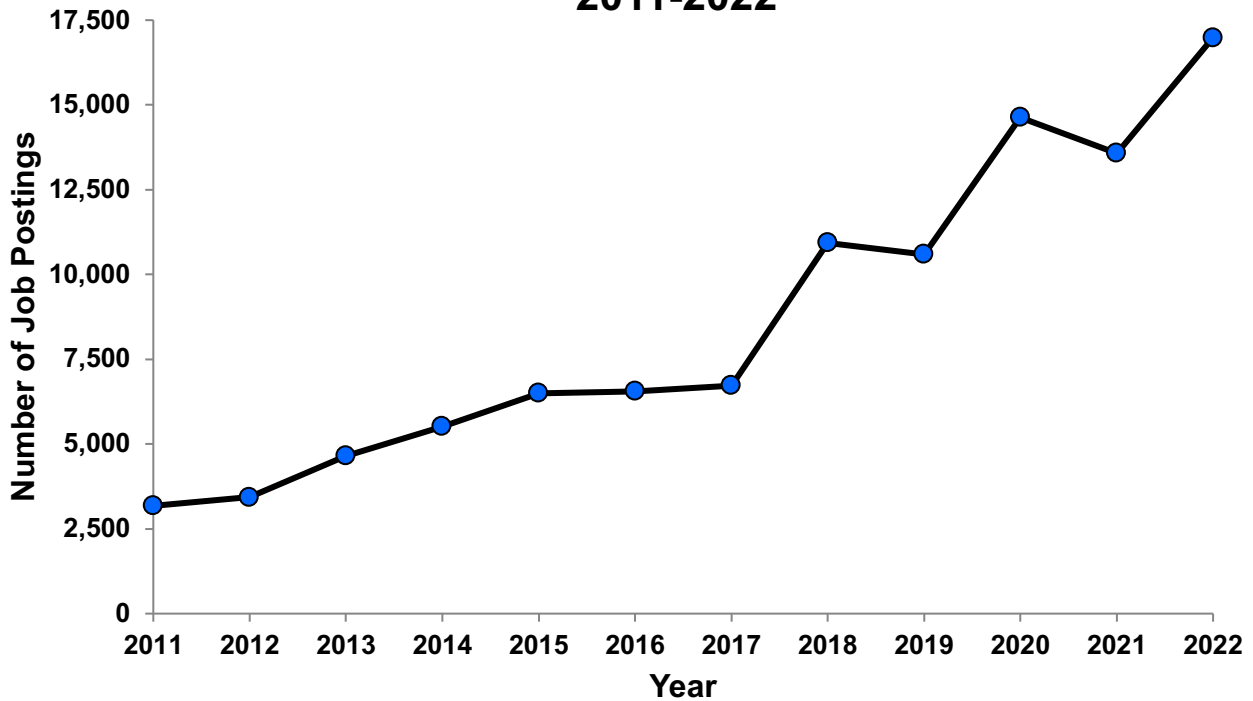
Computer Skills: Business & Administration 2022



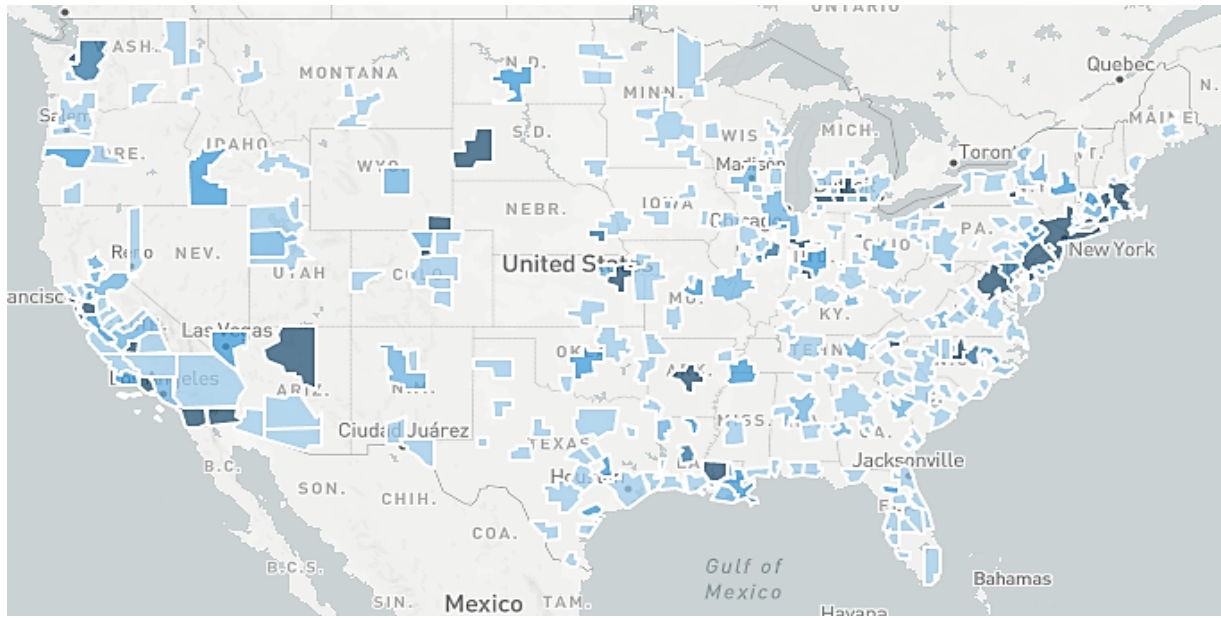
Employers: Business & Administration 2022



Job Postings by Year: Business & Administration 2011-2022



Demand Areas by MSA: Business & Administration 2022

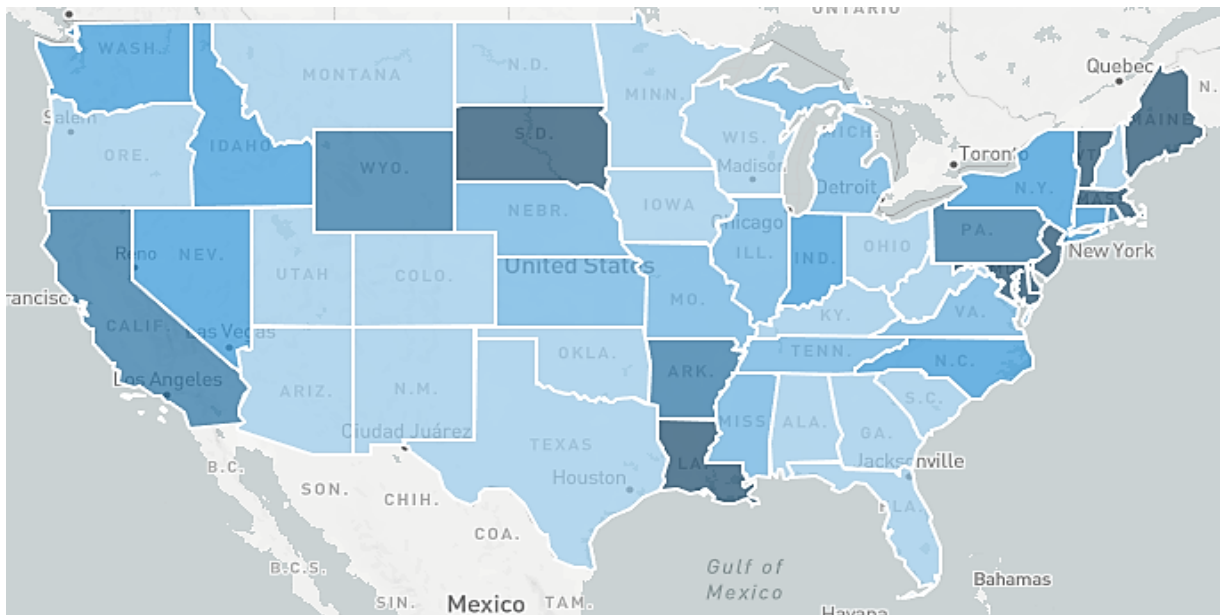


Much Lower
 Lower
 Average
 Higher
 Much Higher

Metropolitan Statistical Area (MSA)	Job Postings
Boston-Cambridge-Nashua, MA-NH*	1,988
San Francisco-Oakland-Hayward, CA	1,475
New York-Newark-Jersey City, NY-NJ-PA	1,305
Washington-Arlington-Alexandria, DC-VA-MD-WV	707
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	665
Los Angeles-Long Beach-Anaheim, CA	576
San Diego-Carlsbad, CA	520
Seattle-Tacoma-Bellevue, WA	427
Chicago-Naperville-Elgin, IL-IN-WI	416
Durham-Chapel Hill, NC	252
Oxnard-Thousand Oaks-Ventura, CA	228
Dallas-Fort Worth-Arlington, TX	222
Atlanta-Sandy Springs-Roswell, GA	220
Baltimore-Columbia-Towson, MD	214
San Jose-Sunnyvale-Santa Clara, CA	208

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Business & Administration 2022



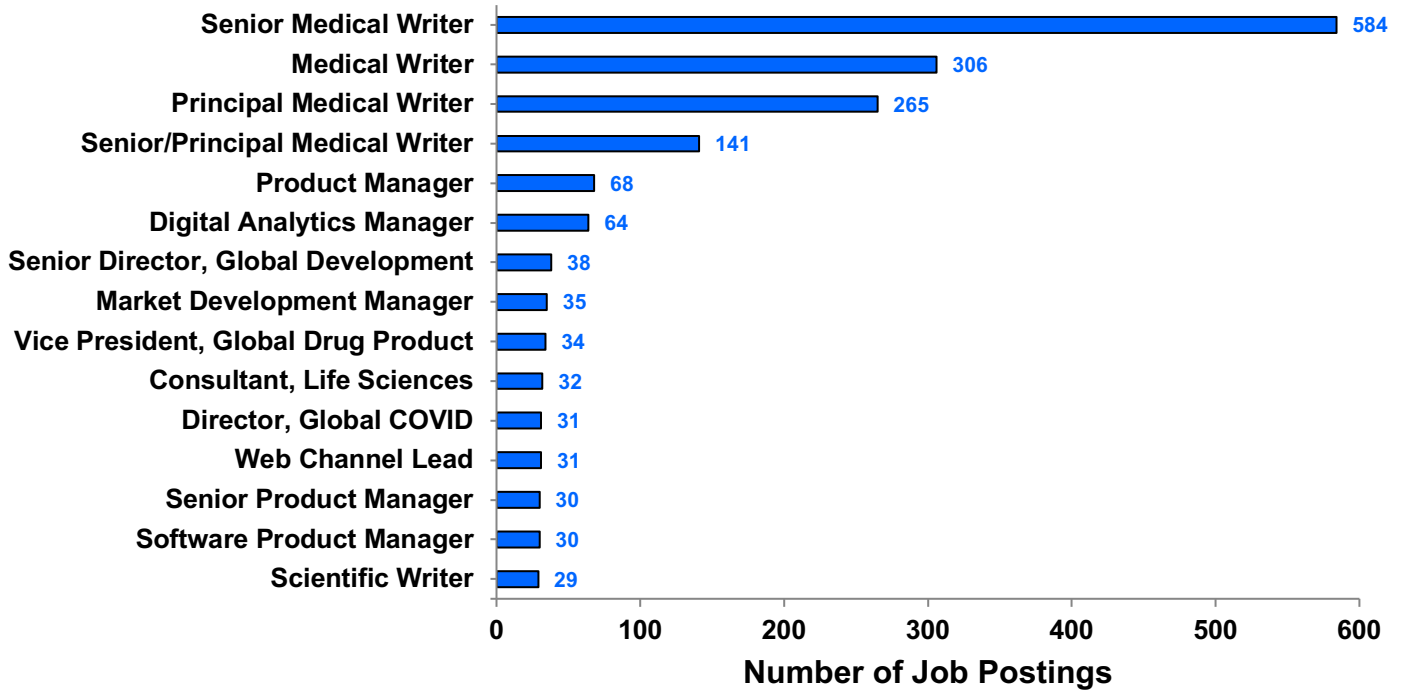
Much Lower
 Lower
 Average
 Higher
 Much Higher

State	Job Postings
California	3,352
Massachusetts	2,186
New Jersey	949
New York	733
Pennsylvania	670
Texas	595
Maryland	580
North Carolina	575
Washington	510
Illinois	500
Florida	386
Virginia	364
Michigan	359
Ohio	327
Indiana	311

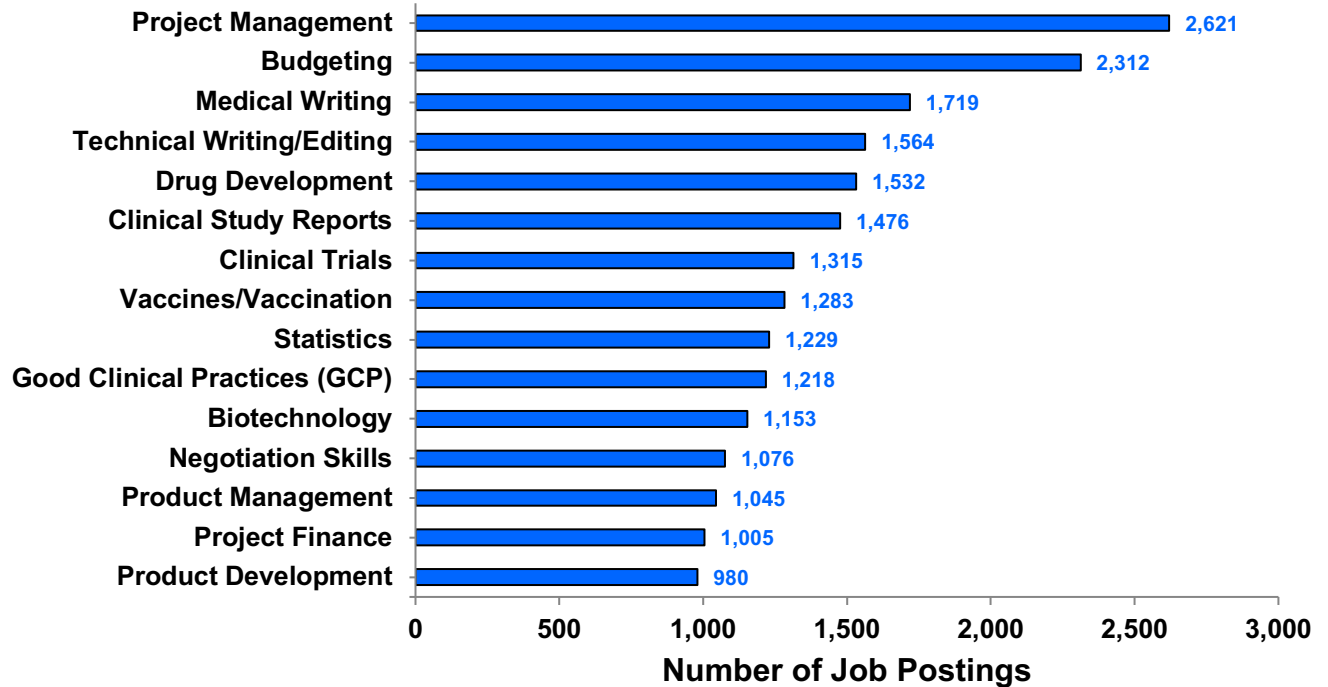
Communication

Number of job postings (nationwide):
6,097

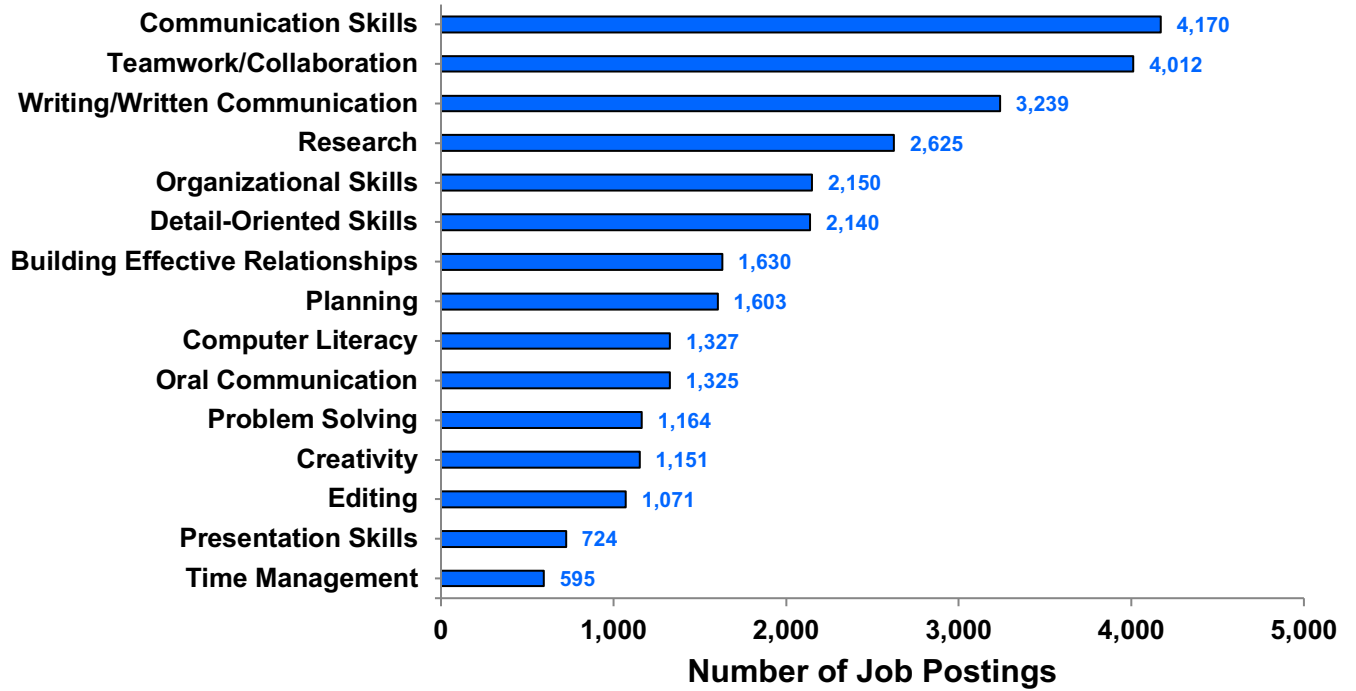
Job Titles: Communication 2022



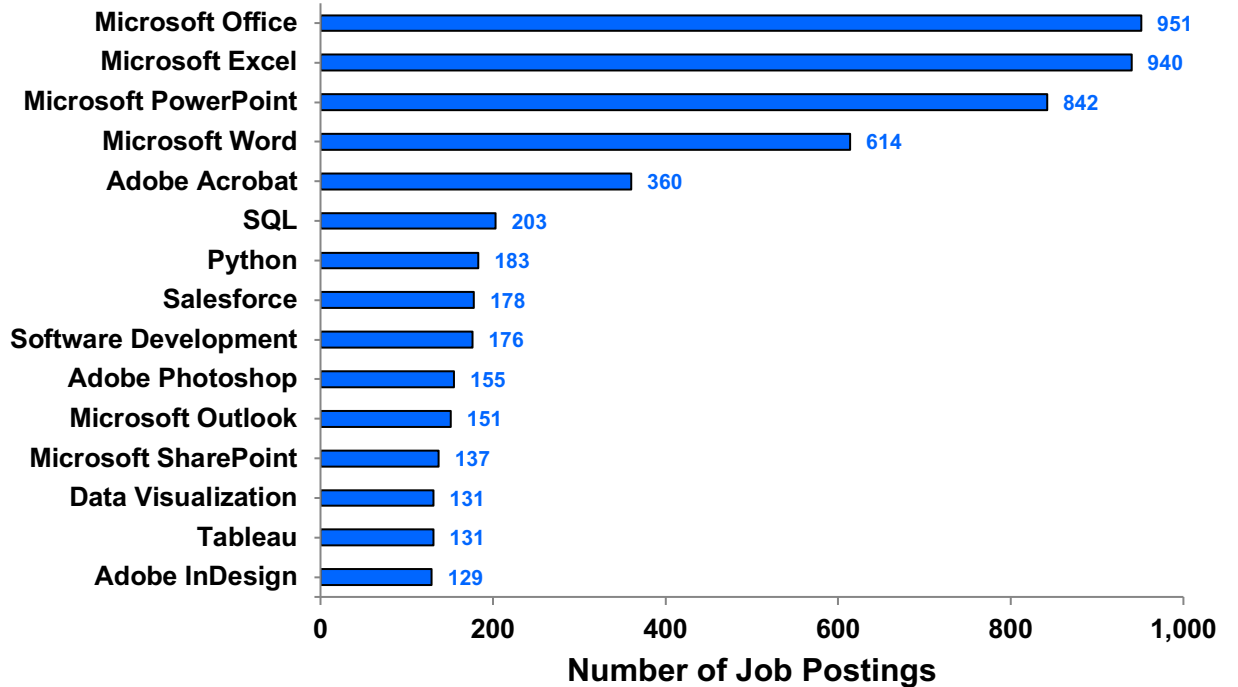
Specialized (Hard) Skills: Communication 2022



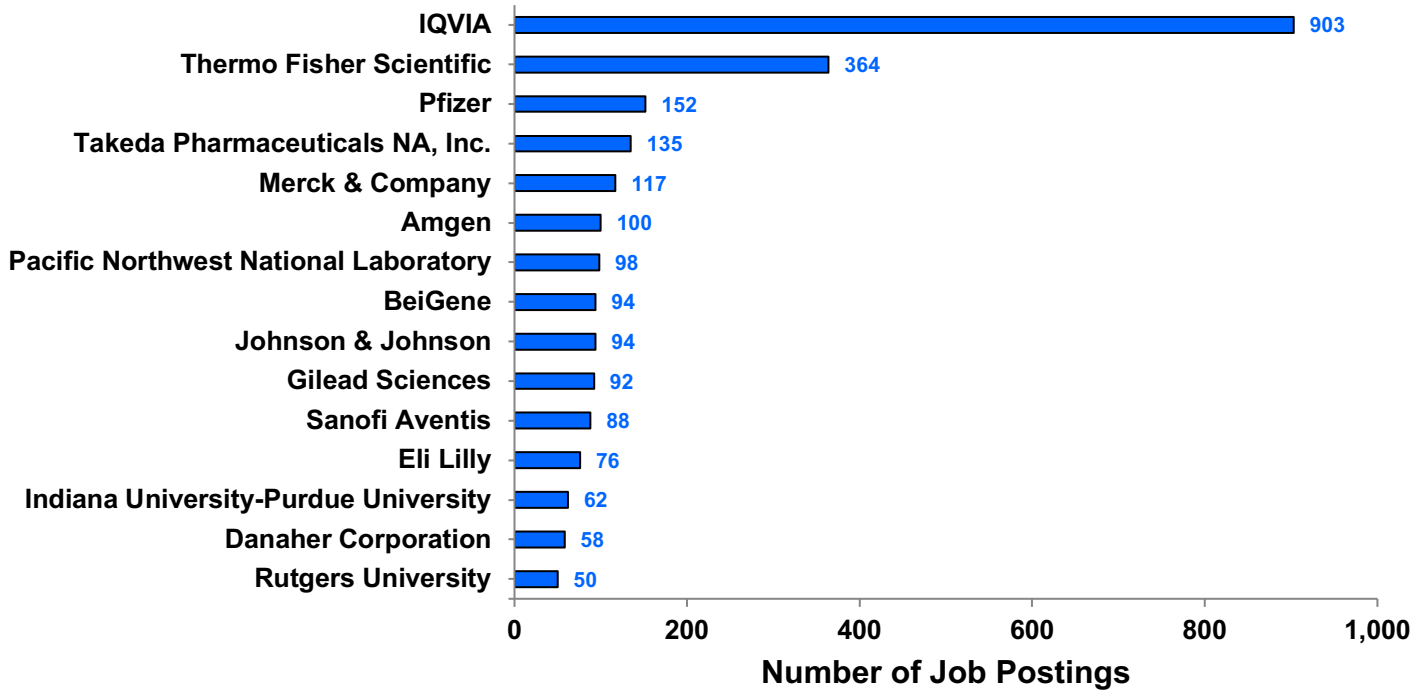
Baseline (Soft) Skills: Communication 2022



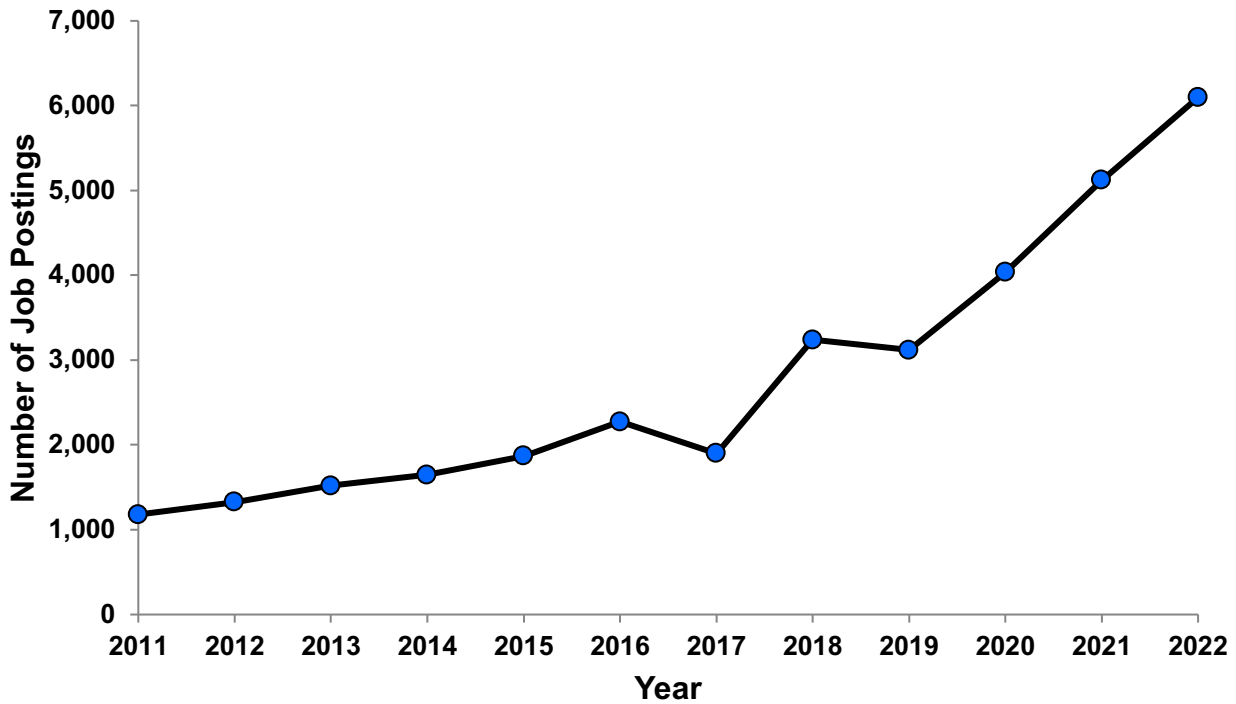
Computer Skills: Communication 2022



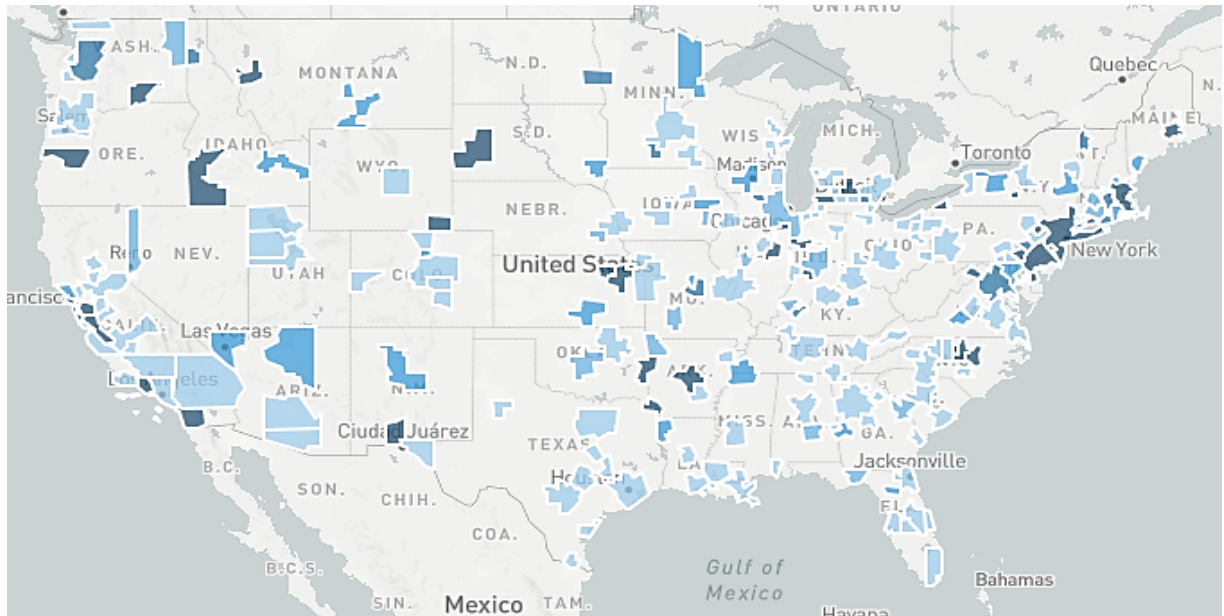
Employers: Communication 2022



Job Postings by Year: Communication 2011-2022



Demand Areas by MSA: Communication 2022

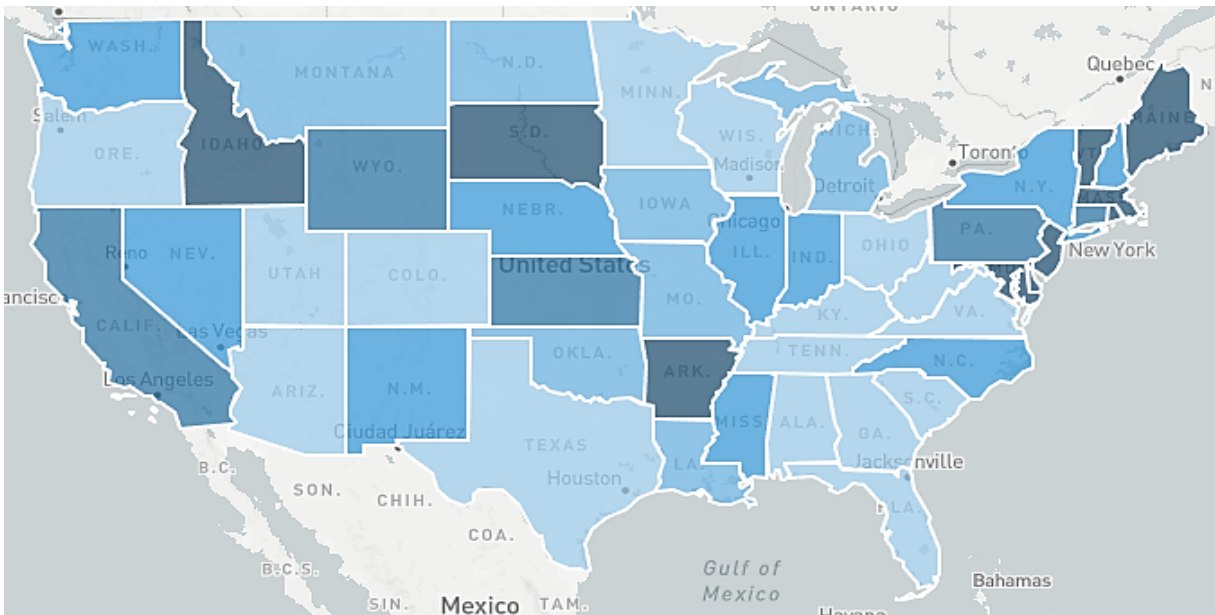


Much Lower
 Lower
 Average
 Higher
 Much Higher

Metropolitan Statistical Area (MSA)	Job Postings
Boston-Cambridge-Nashua, MA-NH*	668
New York-Newark-Jersey City, NY-NJ-PA	489
San Francisco-Oakland-Hayward, CA	426
San Diego-Carlsbad, CA	293
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	223
Washington-Arlington-Alexandria, DC-VA-MD-WV	217
Los Angeles-Long Beach-Anaheim, CA	164
Chicago-Naperville-Elgin, IL-IN-WI	157
Seattle-Tacoma-Bellevue, WA	135
San Jose-Sunnyvale-Santa Clara, CA	129
Durham-Chapel Hill, NC	84
Oxnard-Thousand Oaks-Ventura, CA	83
Trenton, NJ	64
Baltimore-Columbia-Towson, MD	63
Raleigh, NC	61

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Communication 2022



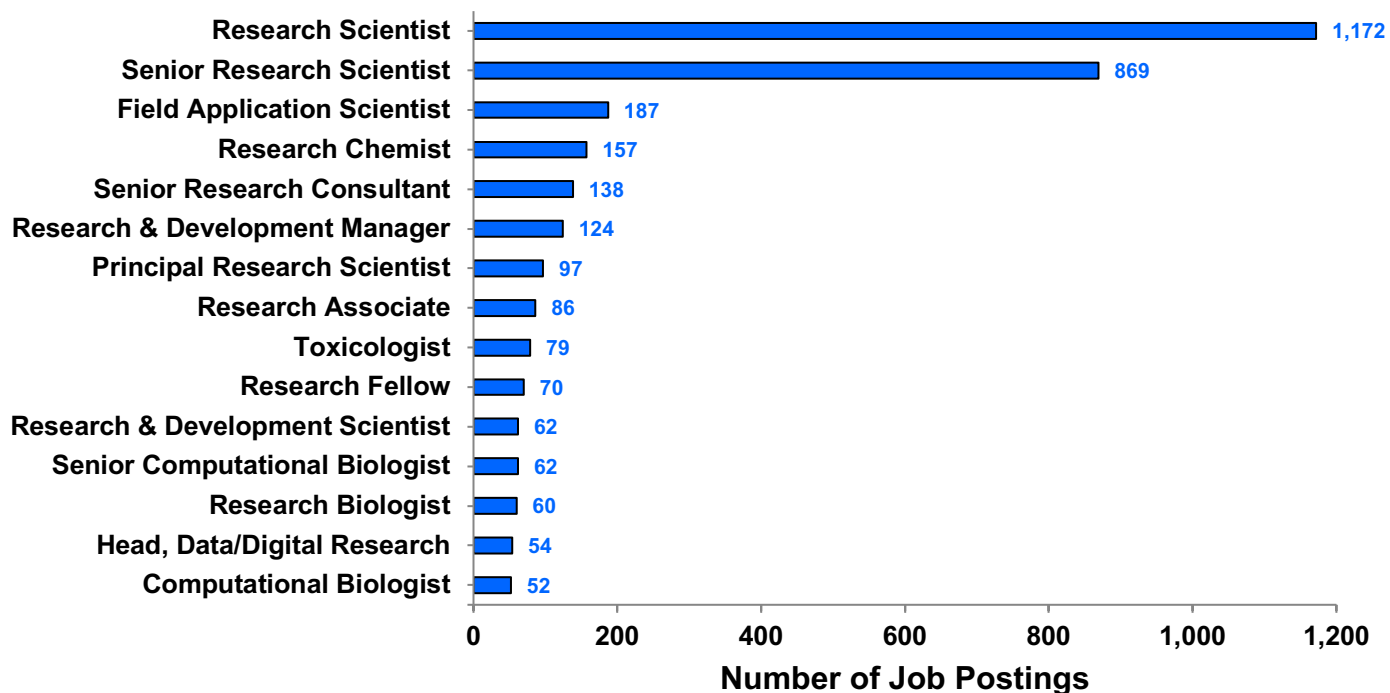
Much Lower
 Lower
 Average
 Higher
 Much Higher

State	Job Postings
California	1,169
Massachusetts	733
New Jersey	339
New York	309
Pennsylvania	255
Maryland	216
Illinois	212
North Carolina	208
Texas	168
Washington	163
Michigan	144
Indiana	138
Ohio	115
Virginia	107
Florida	98

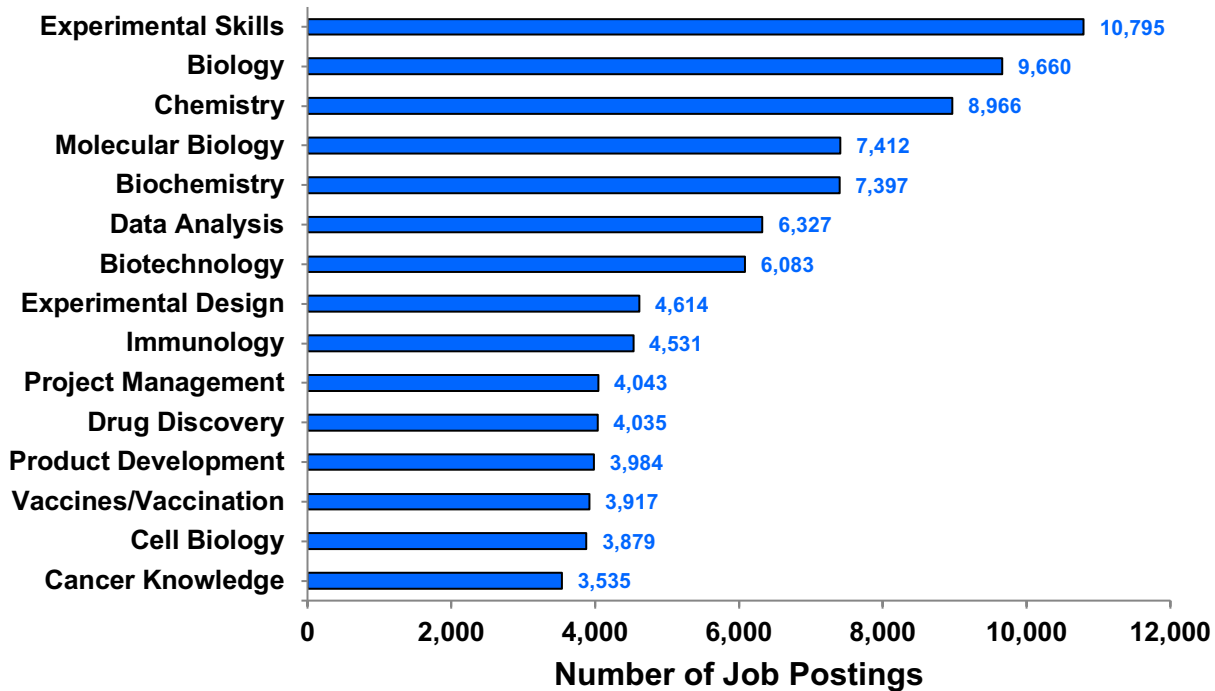
Industry Research

Number of job postings (nationwide):
29,514

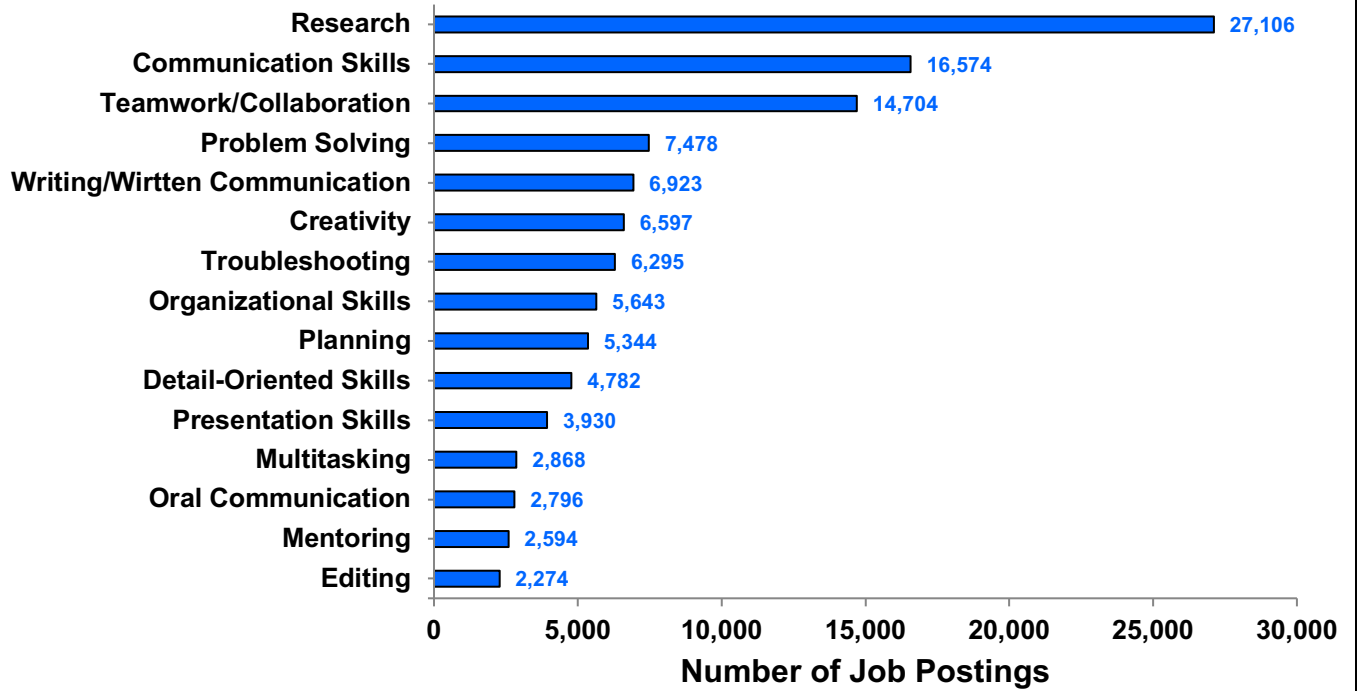
Job Titles: Industry Research 2022



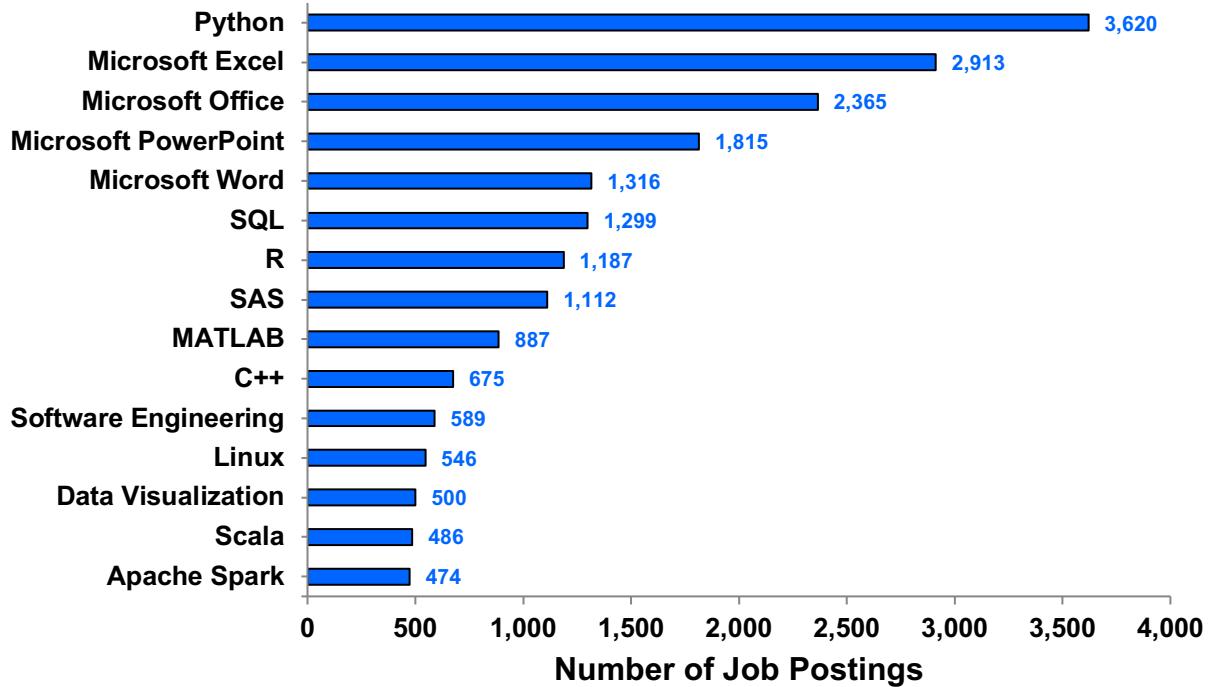
Specialized (Hard) Skills: Industry Research 2022



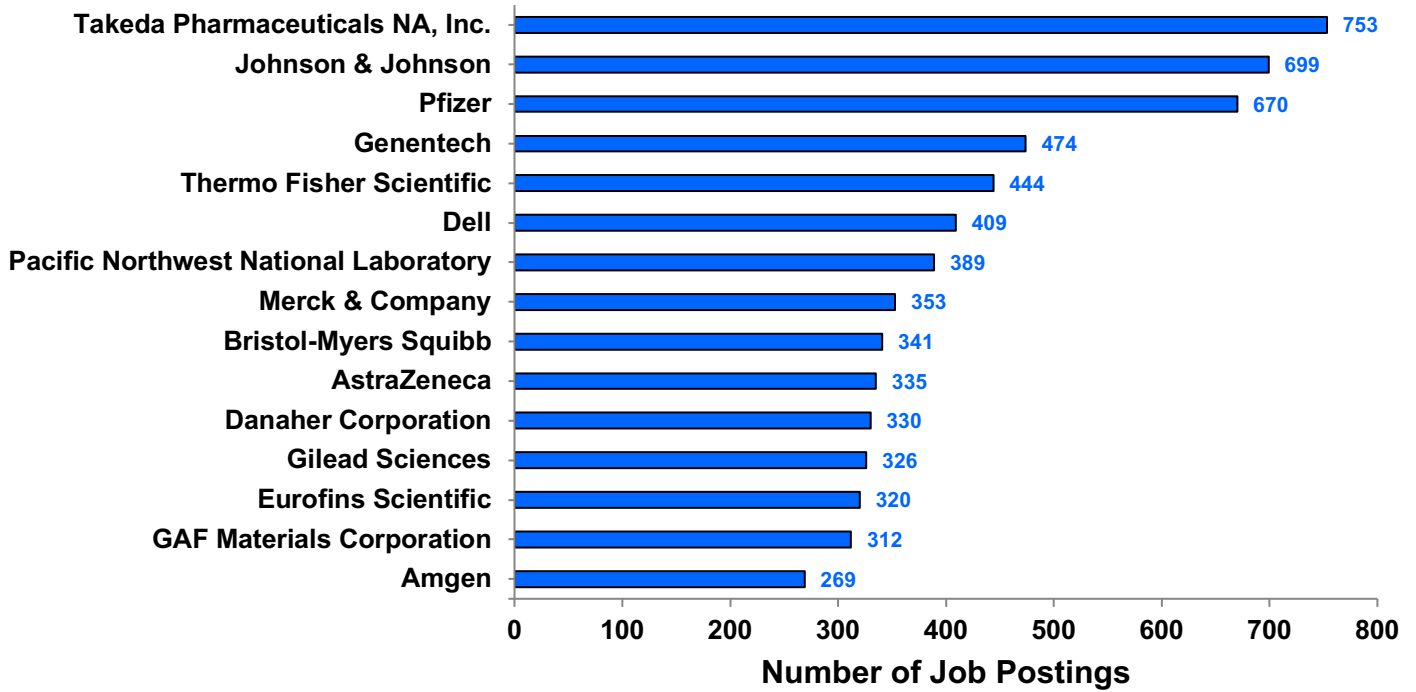
Baseline (Soft) Skills: Industry Research 2022



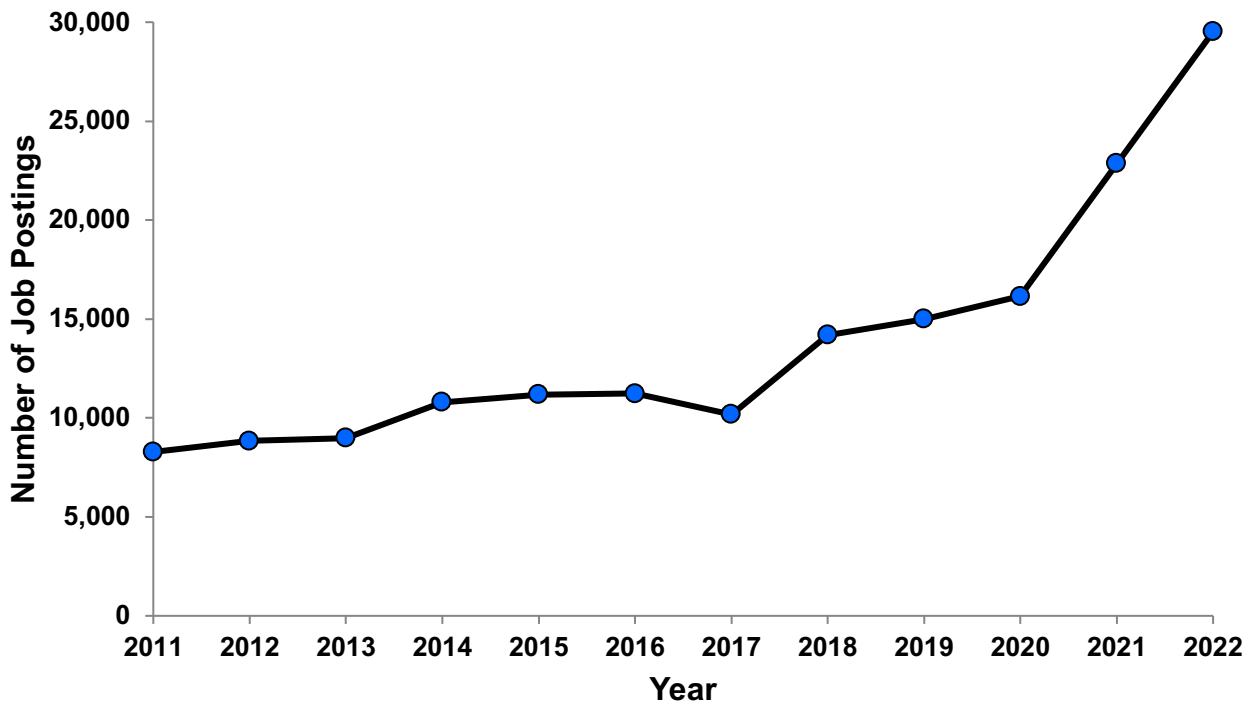
Computer Skills: Industry Research 2022



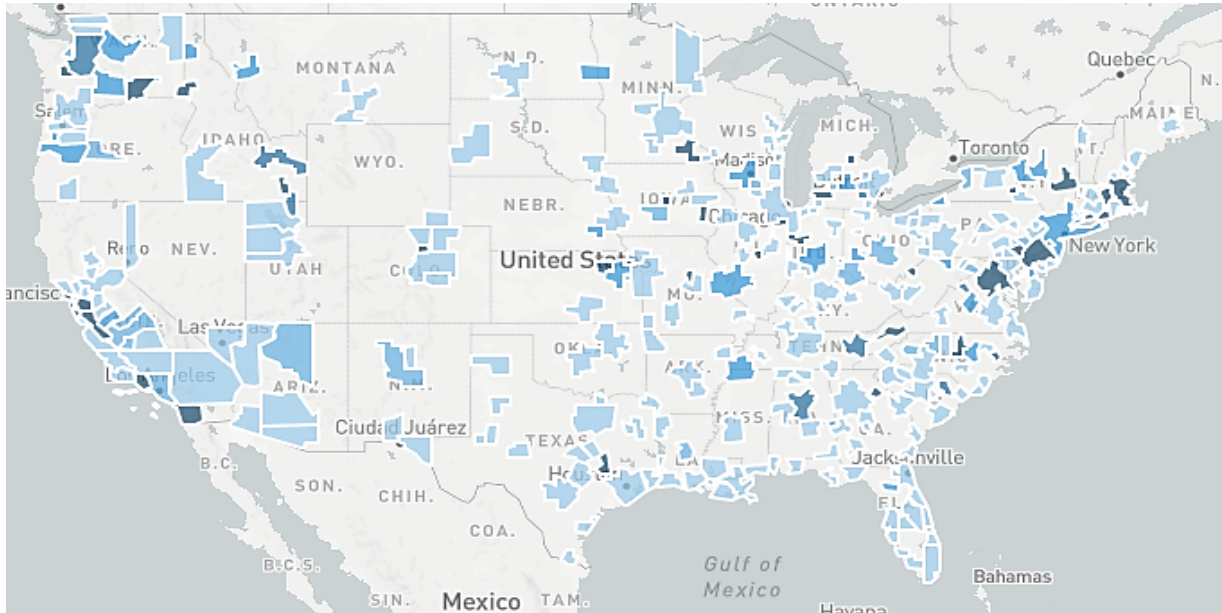
Employers: Industry Research 2022



Job Postings by Year: Industry Research 2011-2022



Demand Areas by MSA: Industry Research 2022

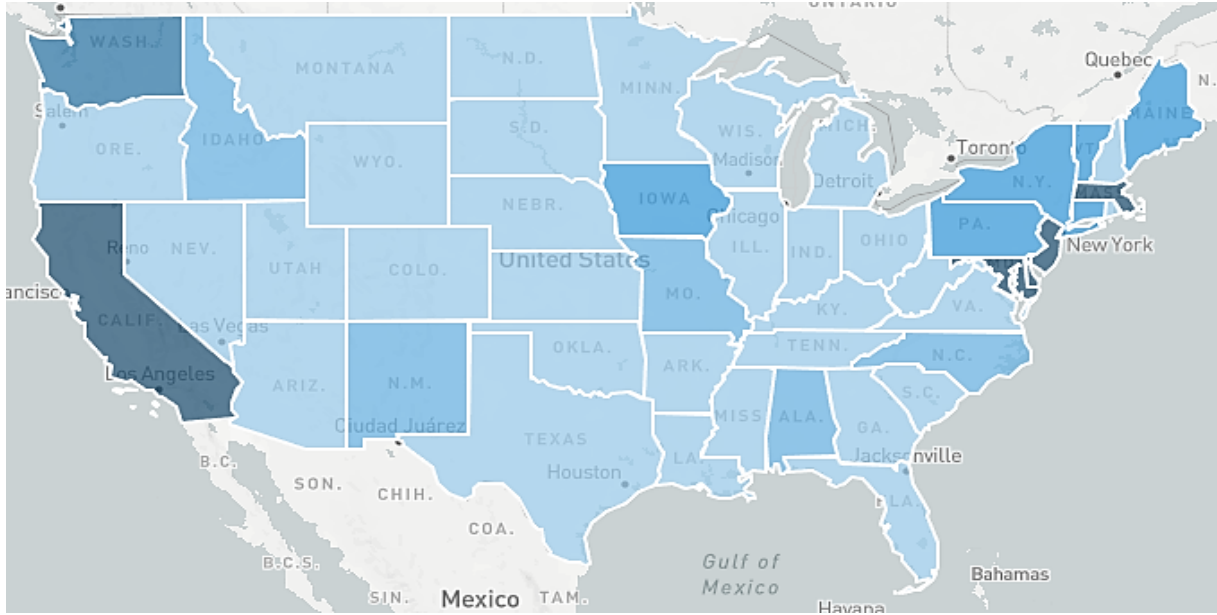


Much Lower
 Lower
 Average
 Higher
 Much Higher

Metropolitan Statistical Area (MSA)	Job Postings
Boston-Cambridge-Nashua, MA-NH*	4,234
San Francisco-Oakland-Hayward, CA	4,112
San Diego-Carlsbad, CA	2,147
Washington-Arlington-Alexandria, DC-VA-MD-WV	1,829
New York-Newark-Jersey City, NY-NJ-PA	1,665
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	1,048
Los Angeles-Long Beach-Anaheim, CA	934
Seattle-Tacoma-Bellevue, WA	763
San Jose-Sunnyvale-Santa Clara, CA	672
Chicago-Naperville-Elgin, IL-IN-WI	577
Durham-Chapel Hill, NC	428
St. Louis, MO-IL	310
Houston-The Woodlands-Sugar Land, TX	308
Indianapolis-Carmel-Anderson, IN	295
Dallas-Fort Worth-Arlington, TX	258

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Industry Research 2022



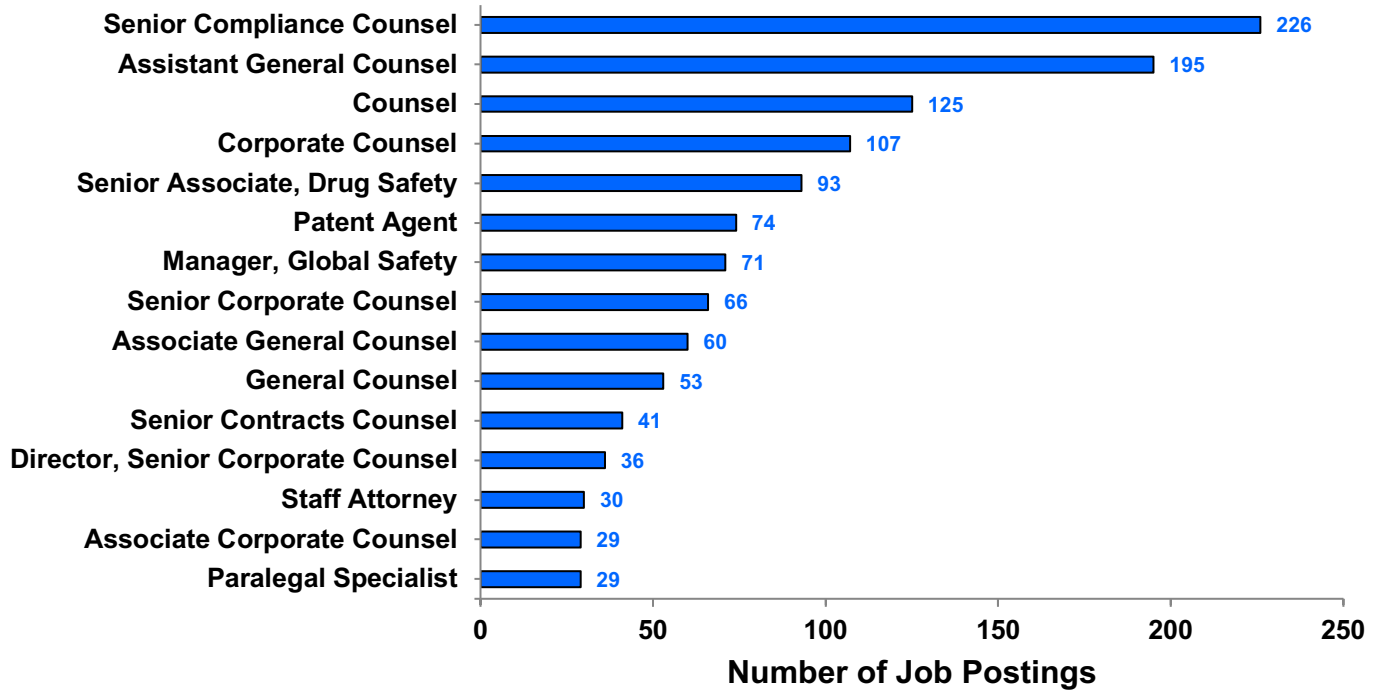
Much Lower
 Lower
 Average
 Higher
 Much Higher

State	Job Postings
California	8,479
Massachusetts	4,524
Maryland	1,675
New York	1,187
Pennsylvania	1,145
New Jersey	1,081
Washington	998
Texas	945
North Carolina	825
Illinois	695
Ohio	666
Michigan	522
Missouri	474
Florida	438
Indiana	399

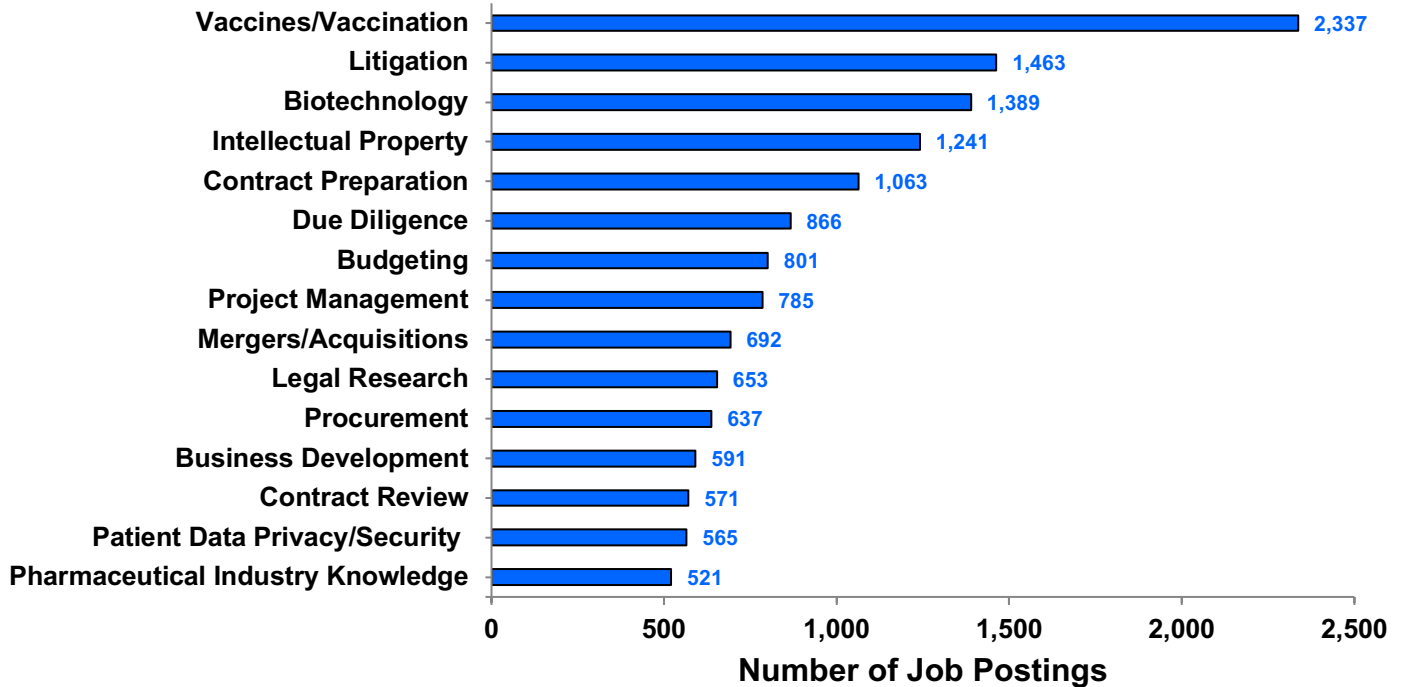
Law

Number of job postings (nationwide):
5,357

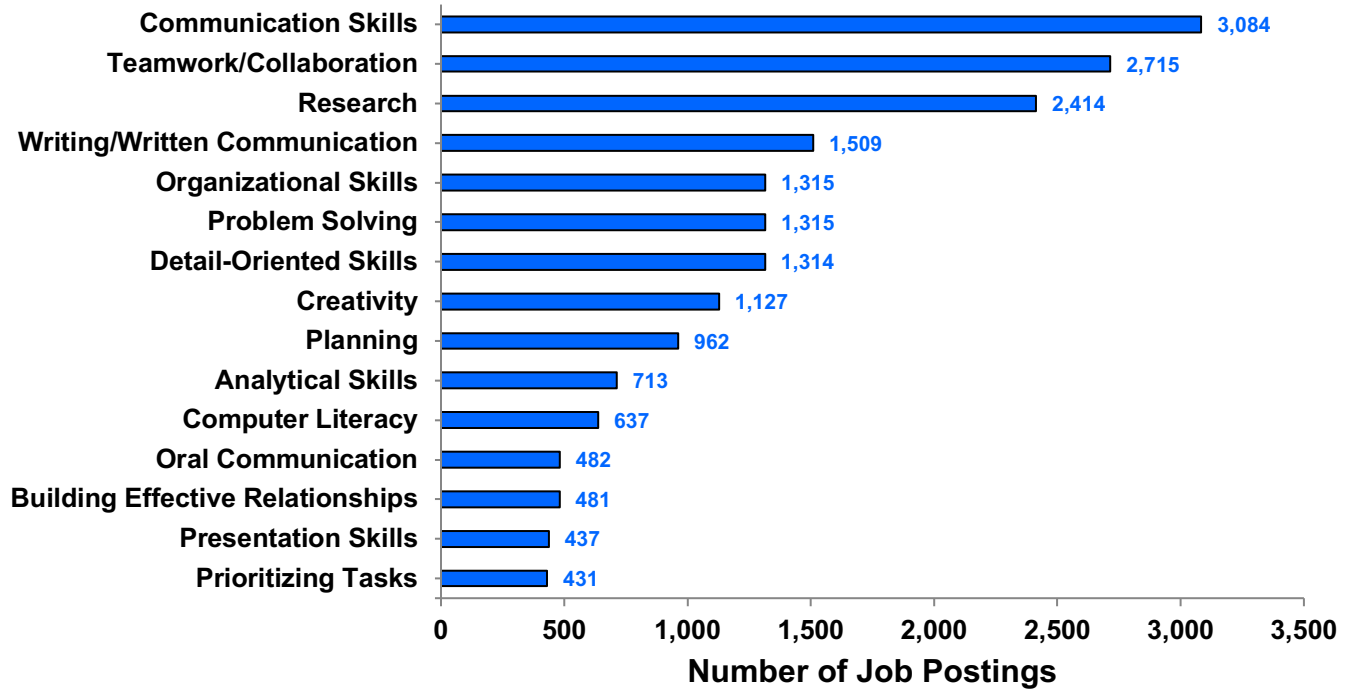
Job Titles: Law 2022



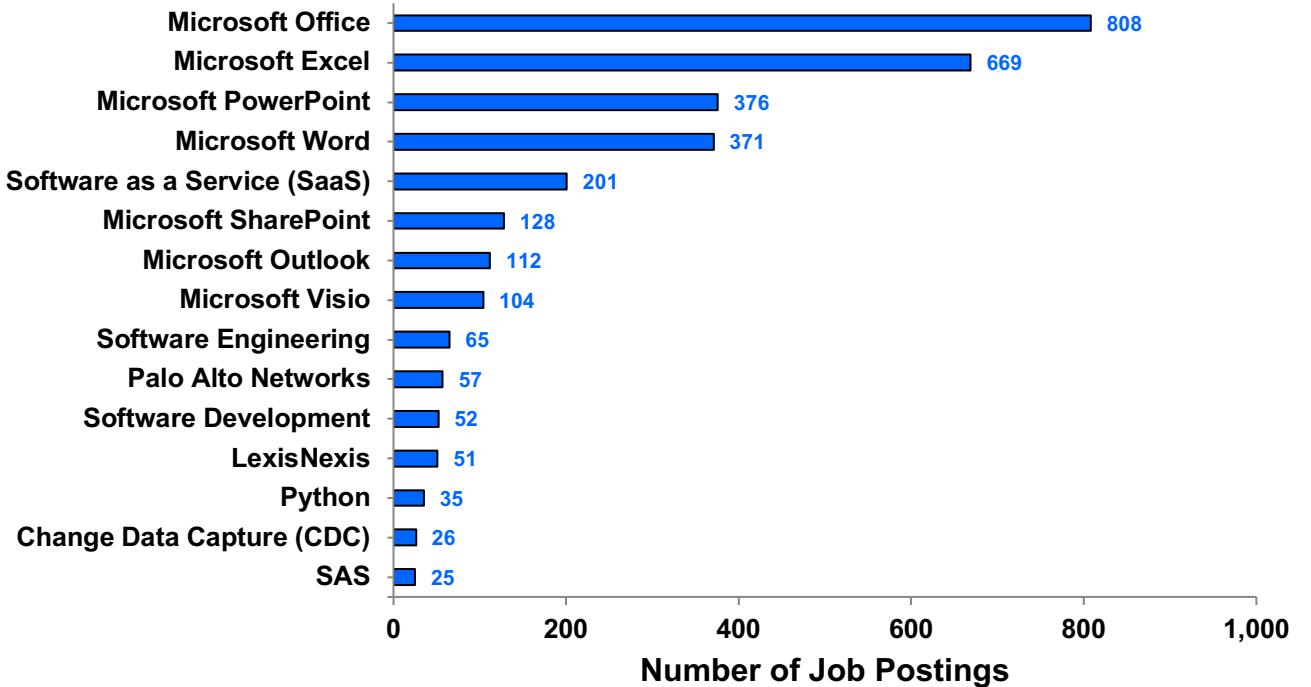
Specialized (Hard) Skills: Law 2022



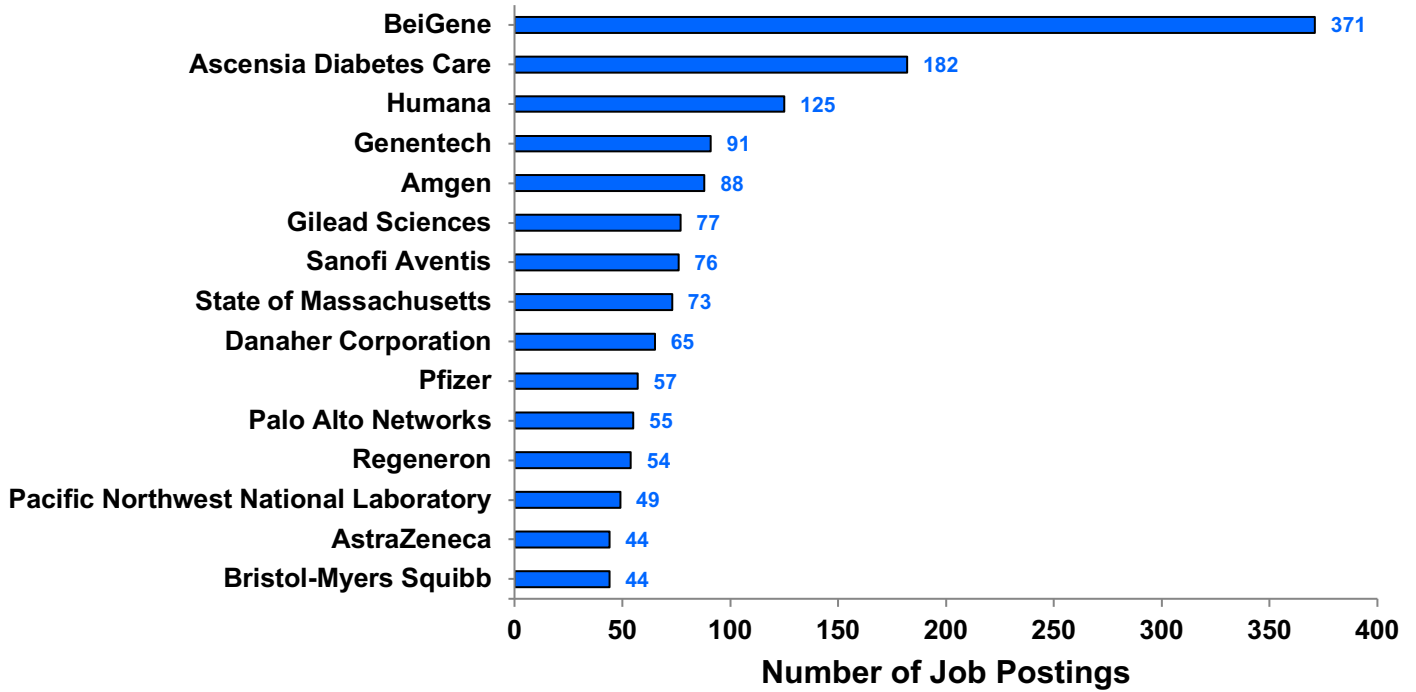
Baseline (Soft) Skills: Law 2022



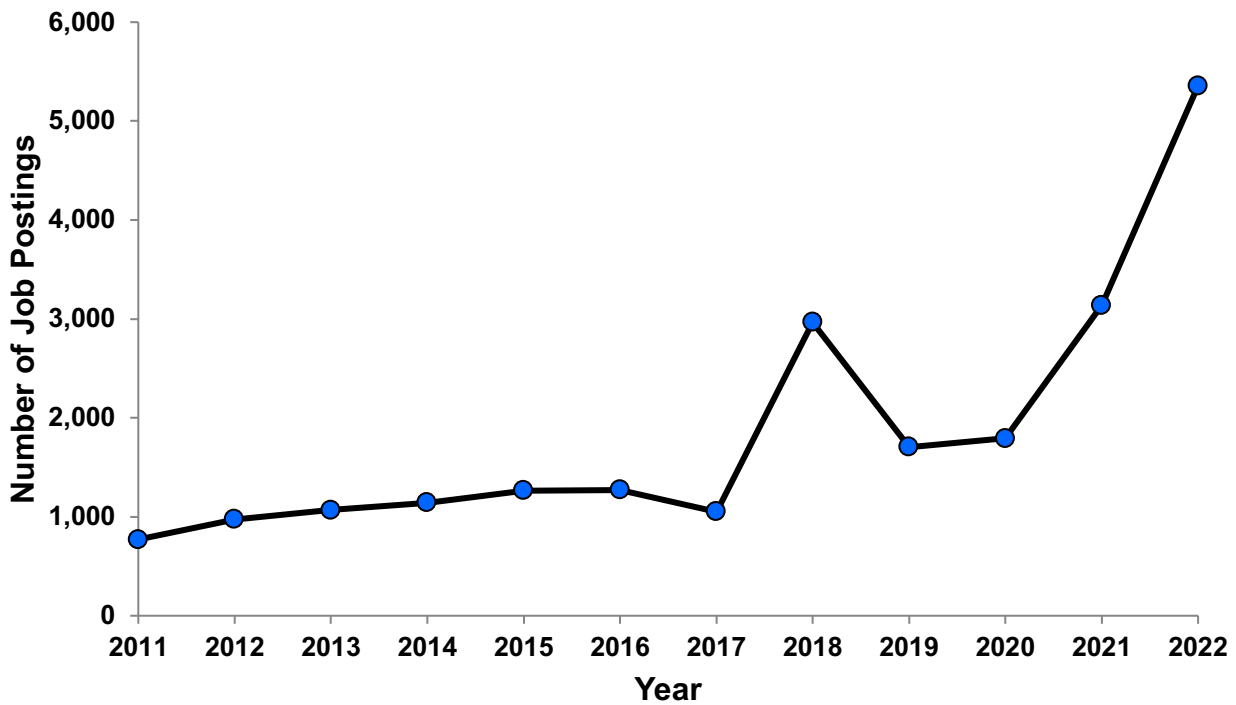
Computer Skills: Law 2022



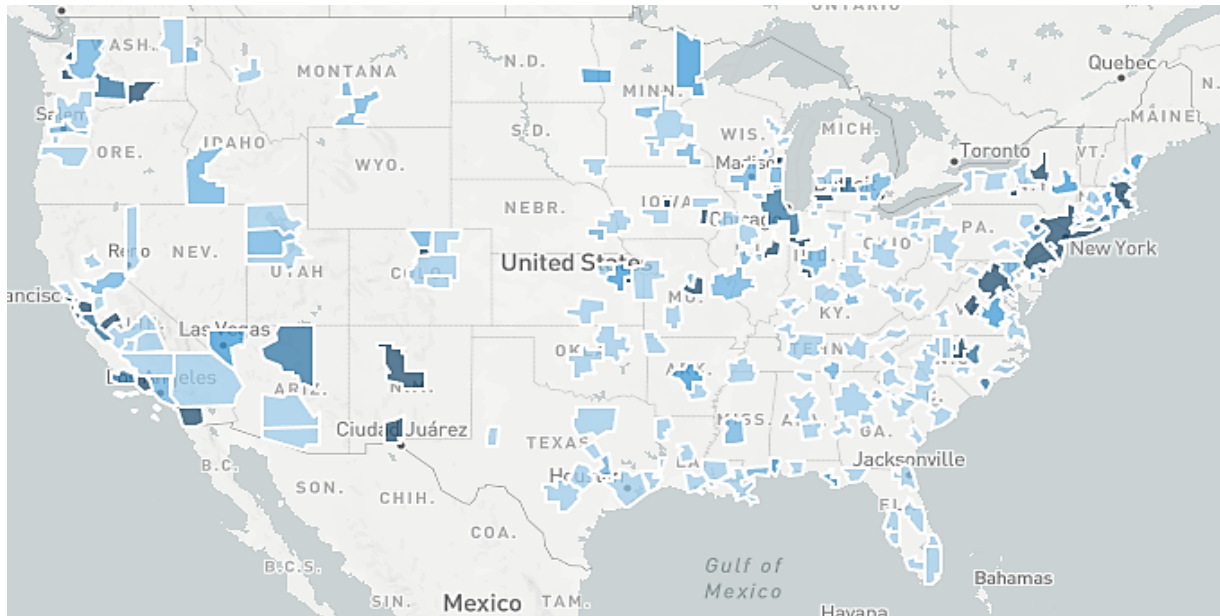
Employers: Law 2022



Job Postings by Year: Law 2011-2022



Demand Areas by MSA: Law 2022

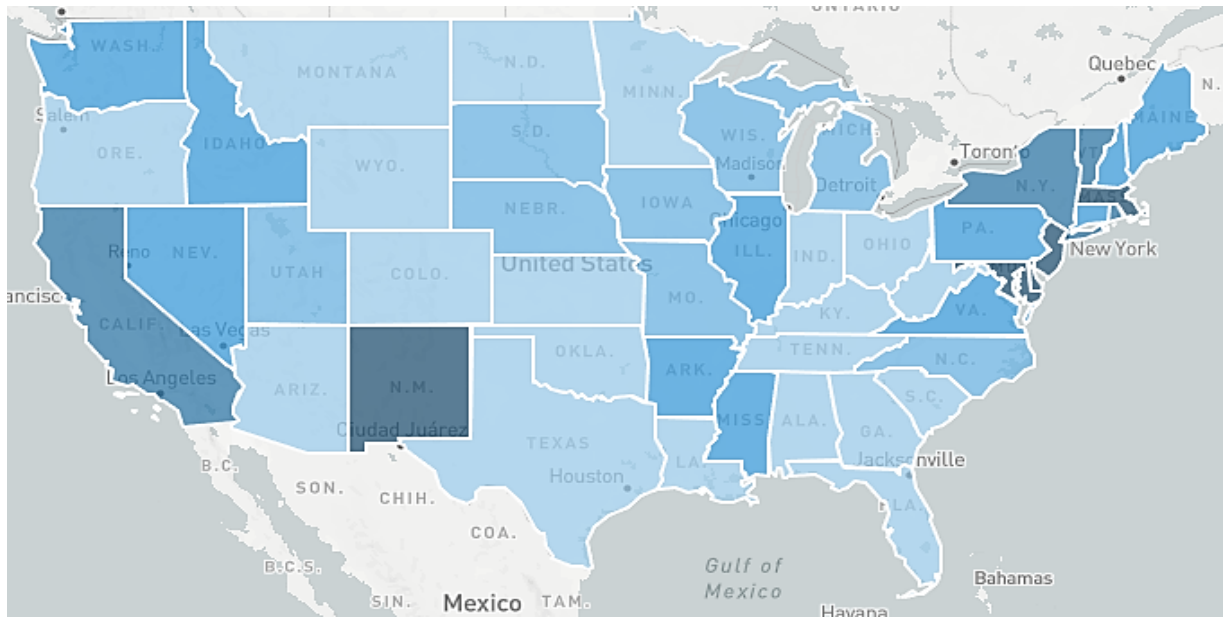


Much Lower
 Lower
 Average
 Higher
 Much Higher

Metropolitan Statistical Area (MSA)	Job Postings
Boston-Cambridge-Nashua, MA-NH*	691
New York-Newark-Jersey City, NY-NJ-PA	488
San Francisco-Oakland-Hayward, CA	487
Washington-Arlington-Alexandria, DC-VA-MD-WV	382
Chicago-Naperville-Elgin, IL-IN-WI	209
Los Angeles-Long Beach-Anaheim, CA	187
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	147
San Diego-Carlsbad, CA	141
San Jose-Sunnyvale-Santa Clara, CA	86
Seattle-Tacoma-Bellevue, WA	79
Dallas-Fort Worth-Arlington, TX	66
Oxnard-Thousand Oaks-Ventura, CA	63
Phoenix-Mesa-Scottsdale, AZ	62
Atlanta-Sandy Springs-Roswell, GA	61
Albuquerque, NM	57

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Law 2022



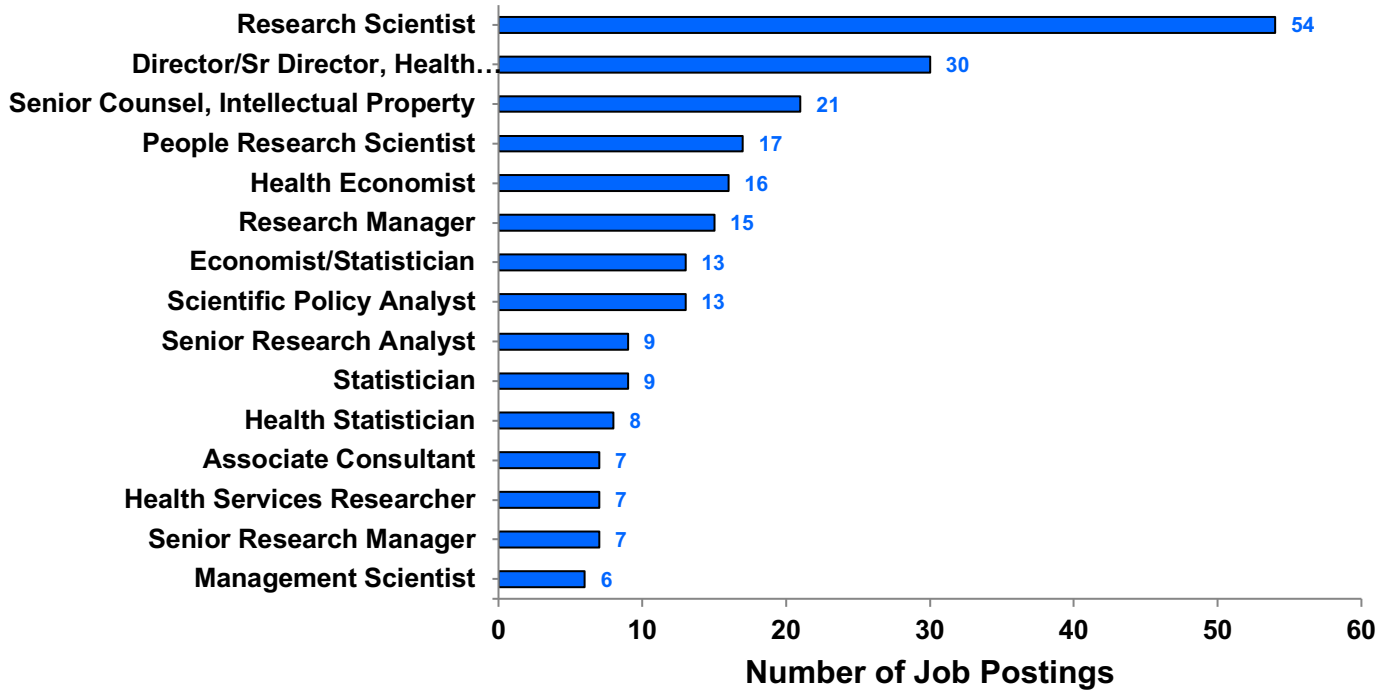
Much Lower
 Lower
 Average
 Higher
 Much Higher

State	Job Postings
California	1,051
Massachusetts	717
New York	332
New Jersey	262
Illinois	243
District of Columbia	190
Texas	163
Maryland	153
Pennsylvania	153
Virginia	150
North Carolina	134
Florida	124
Washington	122
Michigan	103
Arizona	84

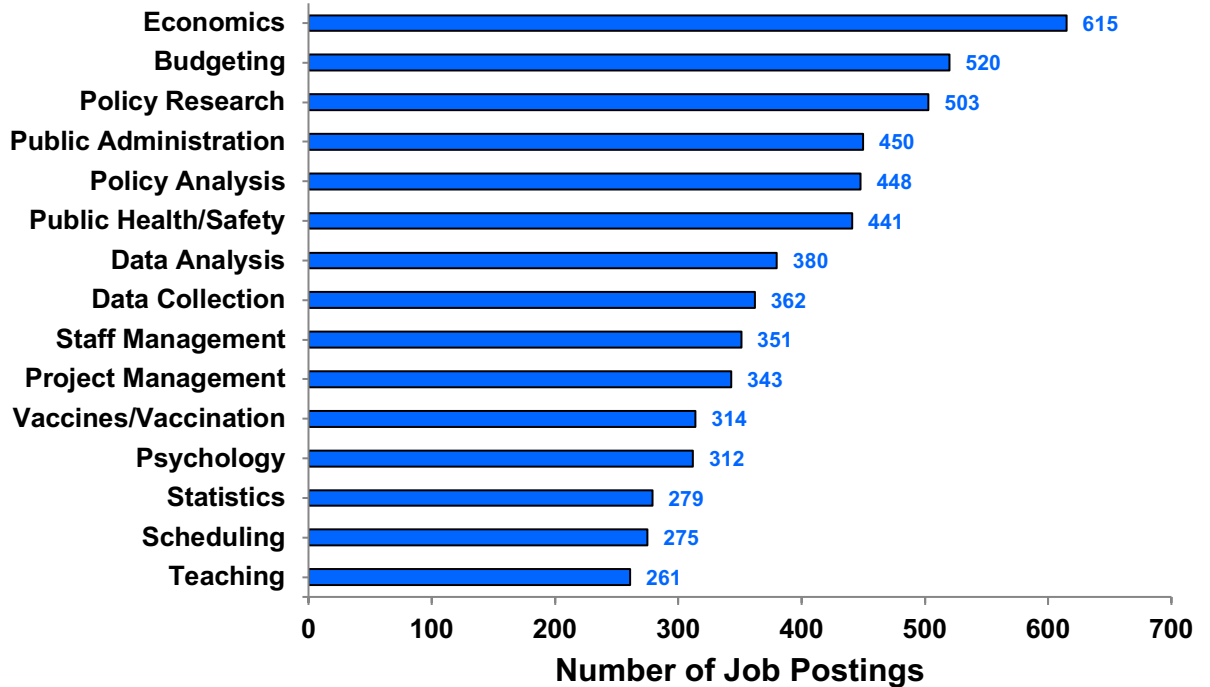
Policy

Number of job postings (nationwide):
1,464

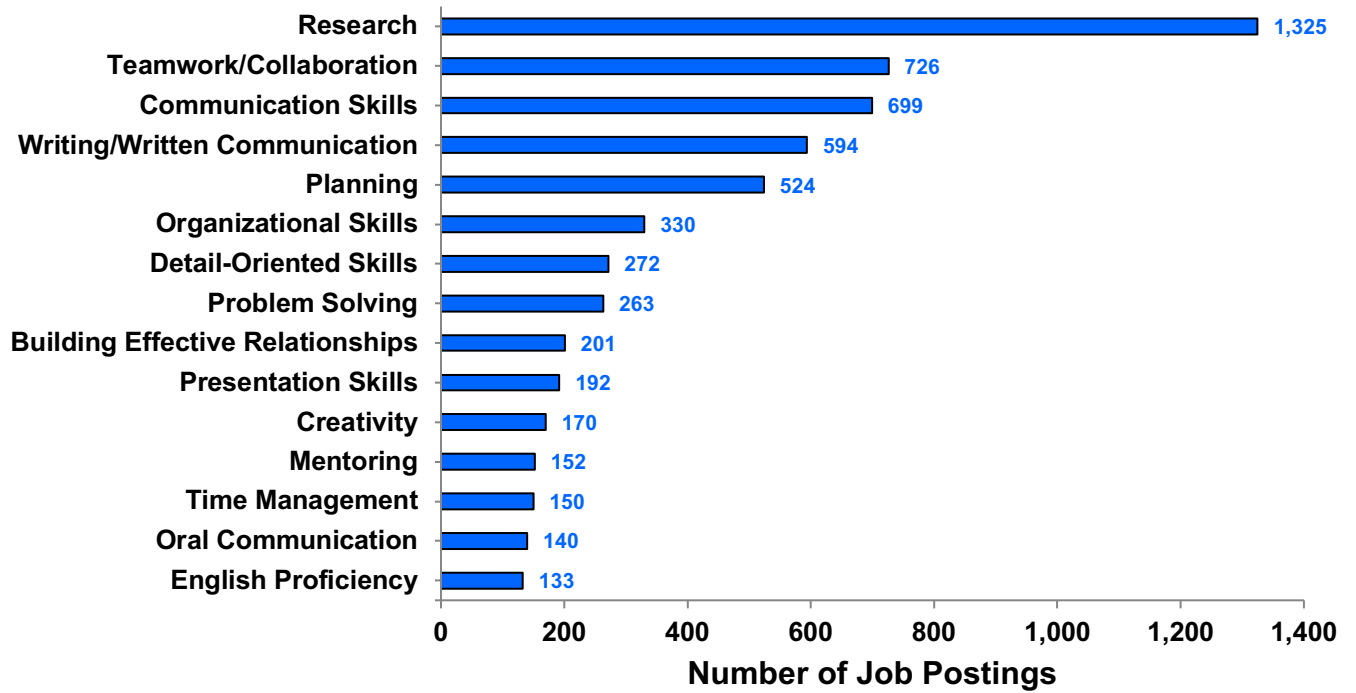
Job Titles: Policy 2022



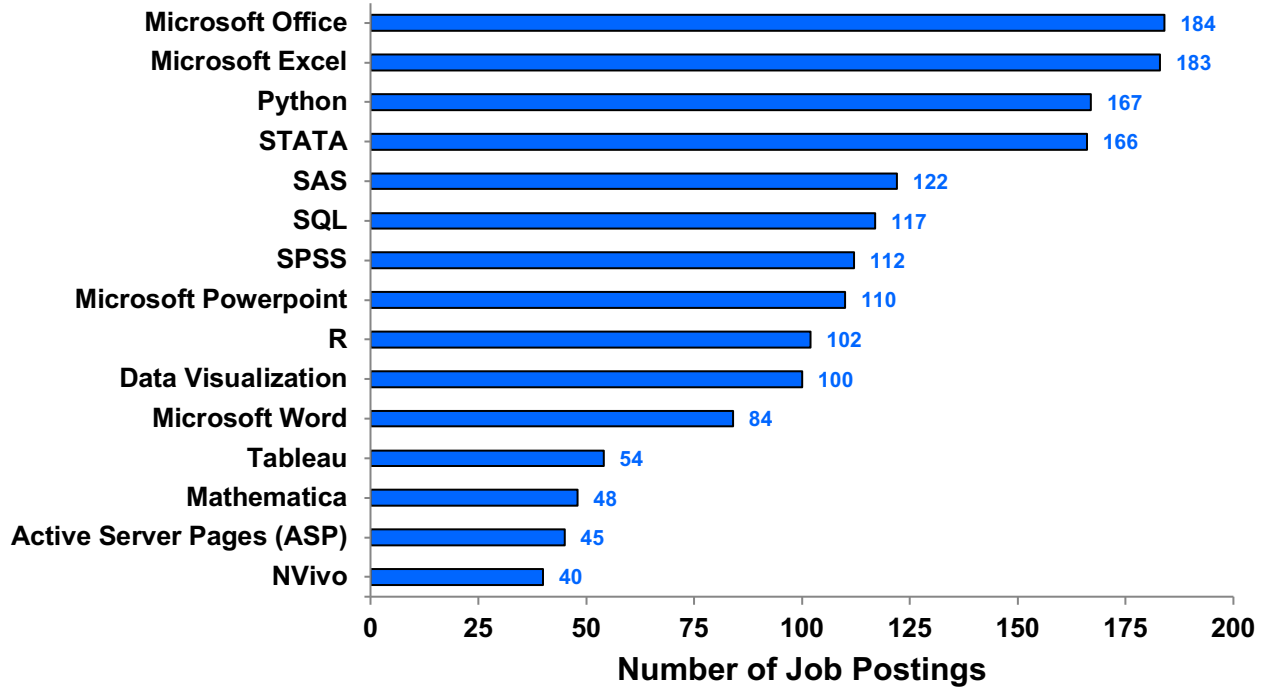
Specialized (Hard) Skills: Policy 2022



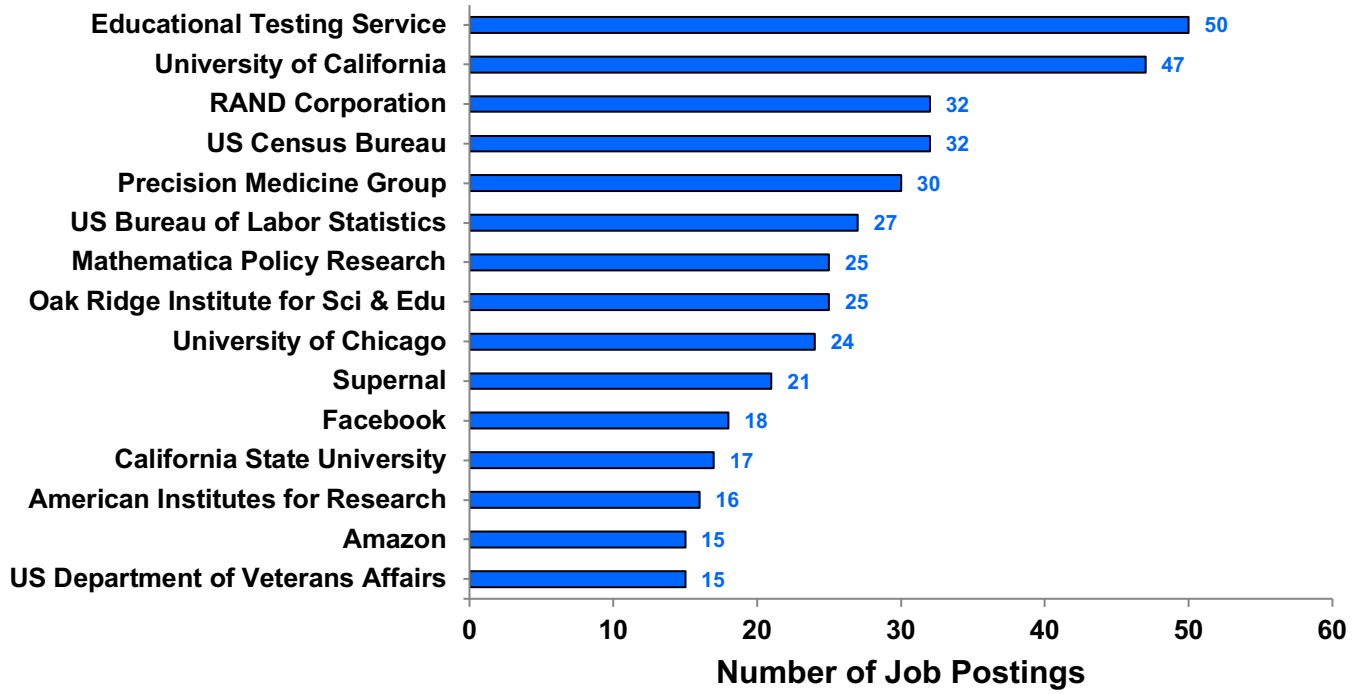
Baseline (Soft) Skills: Policy 2022



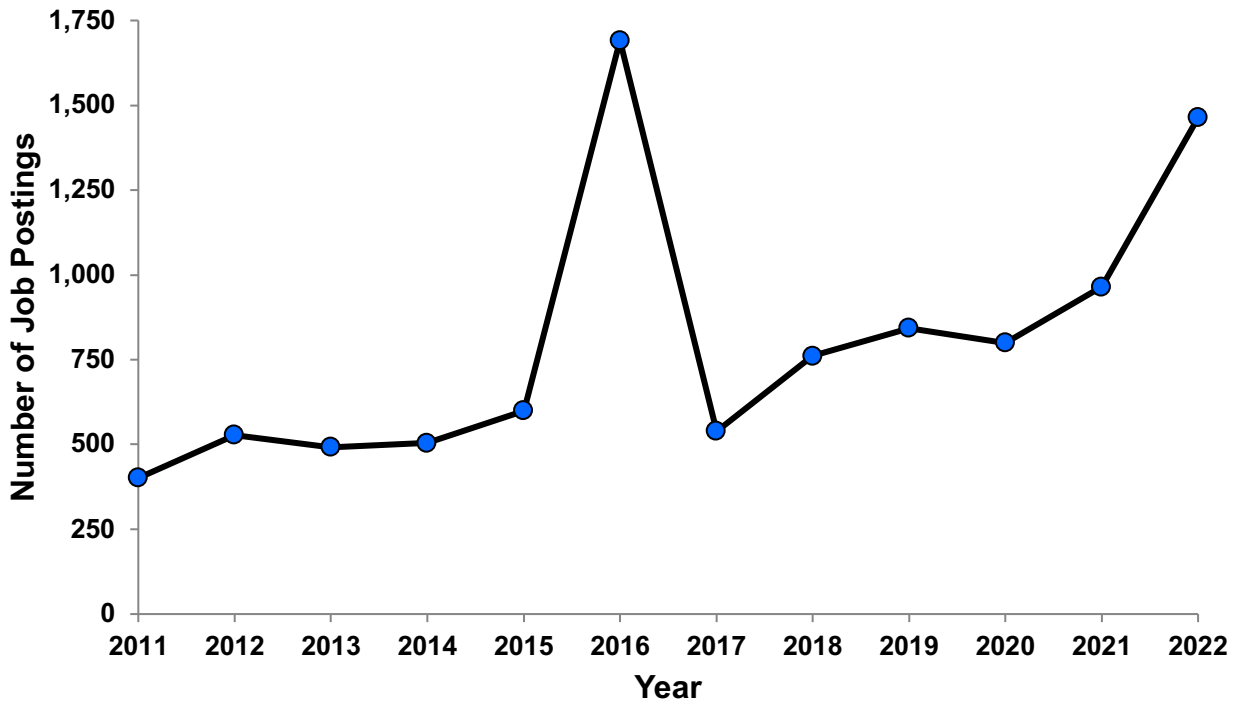
Computer Skills: Policy 2022



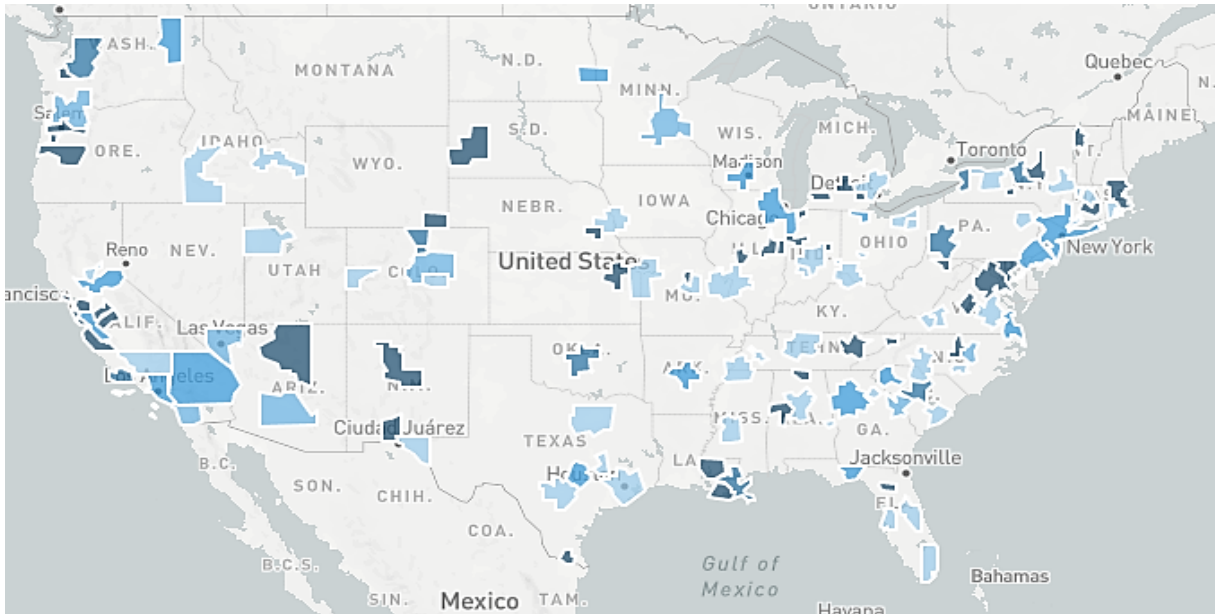
Employers: Policy 2022



Job Postings by Year: Policy 2011-2022



Demand Areas by MSA: Policy 2022

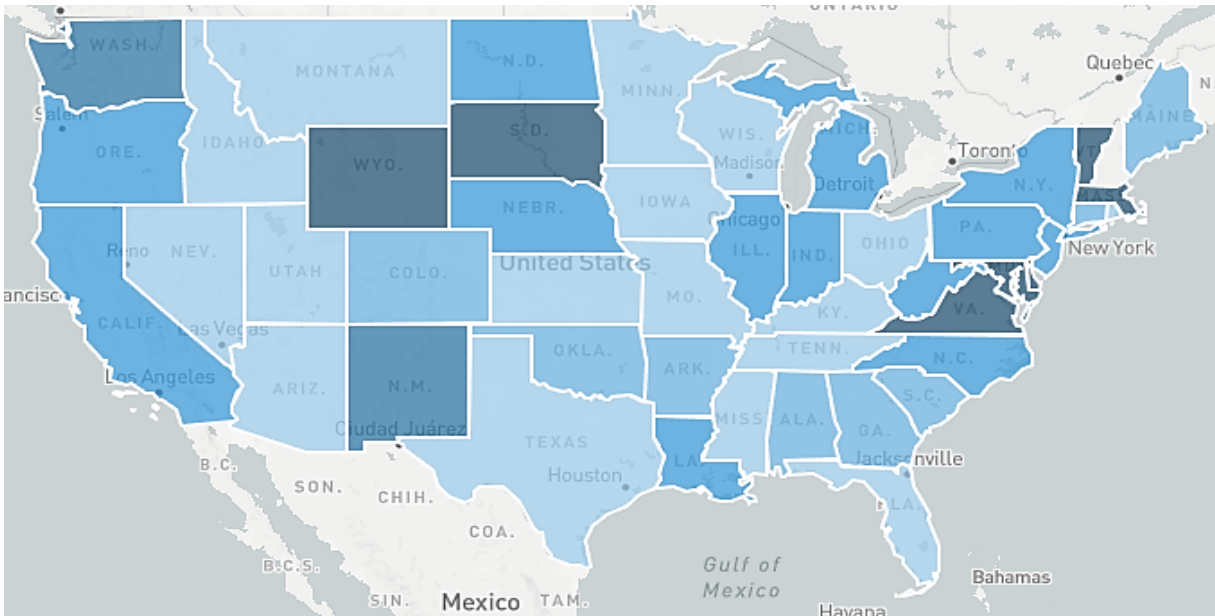


Much Lower
 Lower
 Average
 Higher
 Much Higher

Metropolitan Statistical Area (MSA)	Job Postings
Washington-Arlington-Alexandria, DC-VA-MD-WV	224
Boston-Cambridge-Nashua, MA-NH*	94
Los Angeles-Long Beach-Anaheim, CA	75
New York-Newark-Jersey City, NY-NJ-PA	69
San Francisco-Oakland-Hayward, CA	68
Chicago-Naperville-Elgin, IL-IN-WI	47
Atlanta-Sandy Springs-Roswell, GA	33
Seattle-Tacoma-Bellevue, WA	33
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	32
Baltimore-Columbia-Towson, MD	30
Durham-Chapel Hill, NC	27
Dallas-Fort Worth-Arlington, TX	25
Phoenix-Mesa-Scottsdale, Az	23
Austin-Round Rock, TX	19
Denver-Aurora-Lakewood, CO	18

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Policy 2022



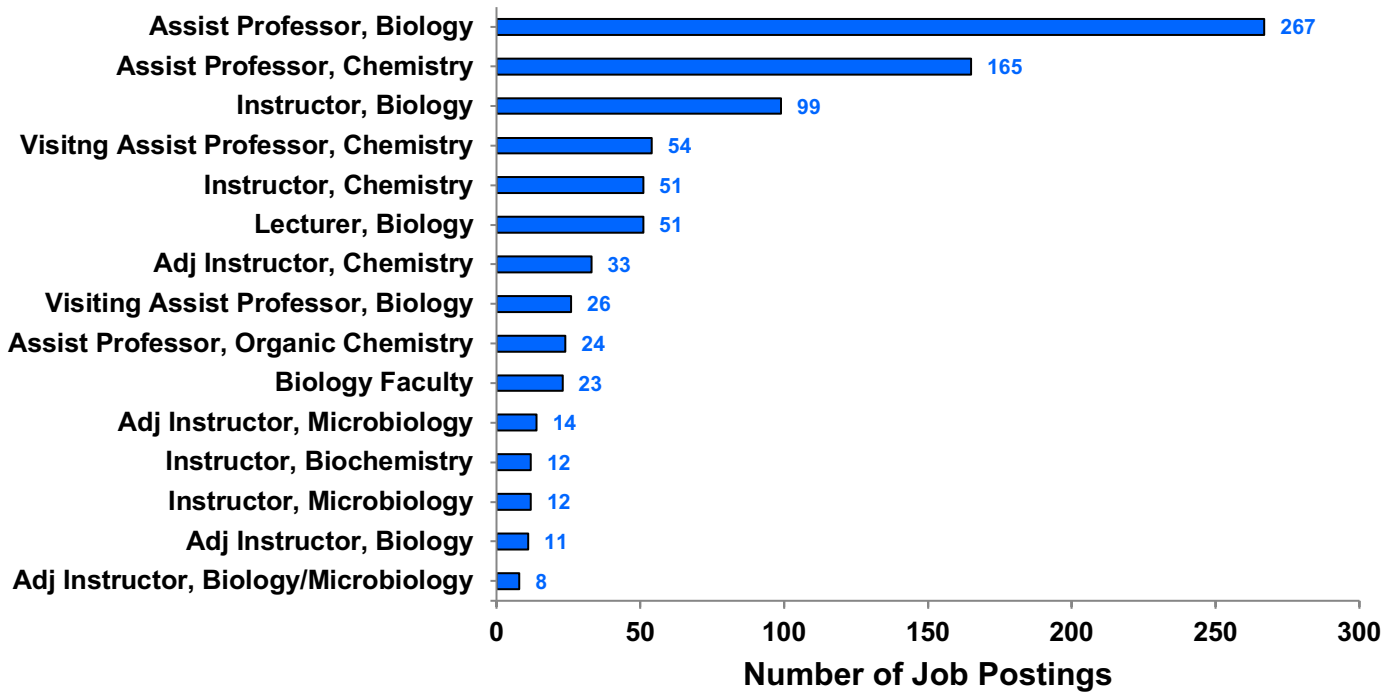
Much Lower
 Lower
 Average
 Higher
 Much Higher

State	Job Postings
California	231
Maryland	109
Massachusetts	99
Virginia	87
District of Columbia	86
Texas	77
New York	71
Illinois	54
Washington	47
North Carolina	43
Pennsylvania	40
Michigan	39
Georgia	38
Indiana	36
New Jersey	35

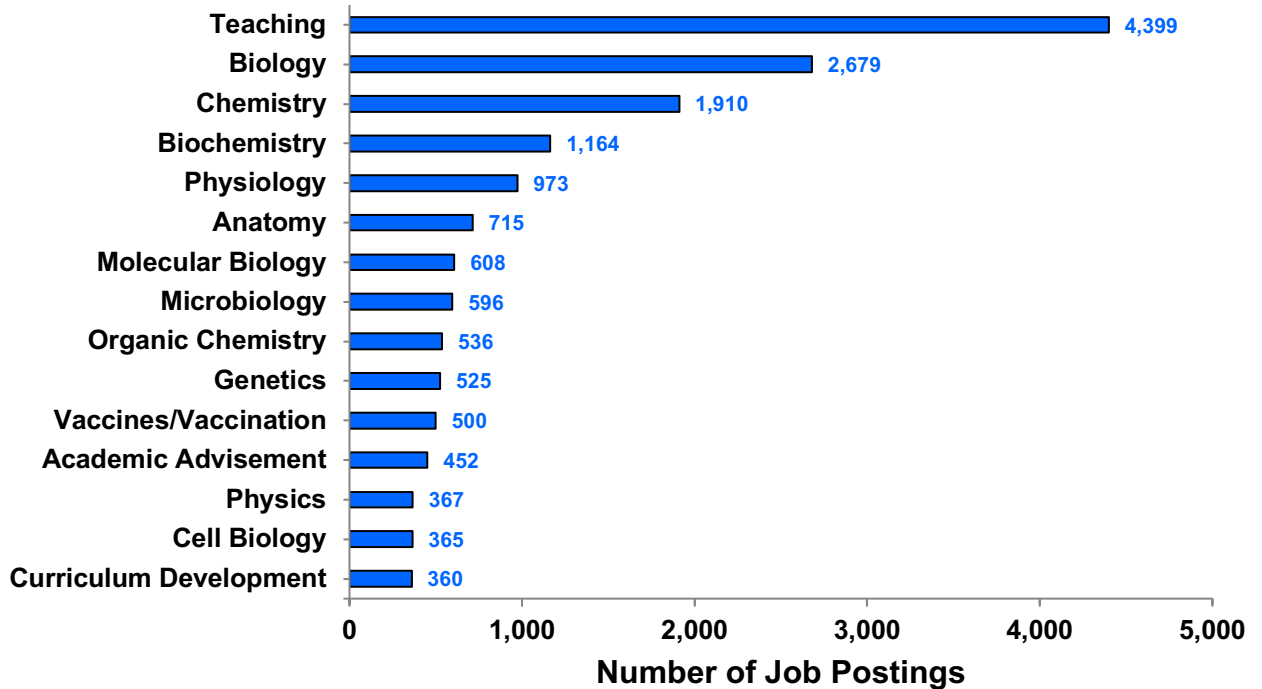
Teaching

Number of job postings (nationwide):
4,730

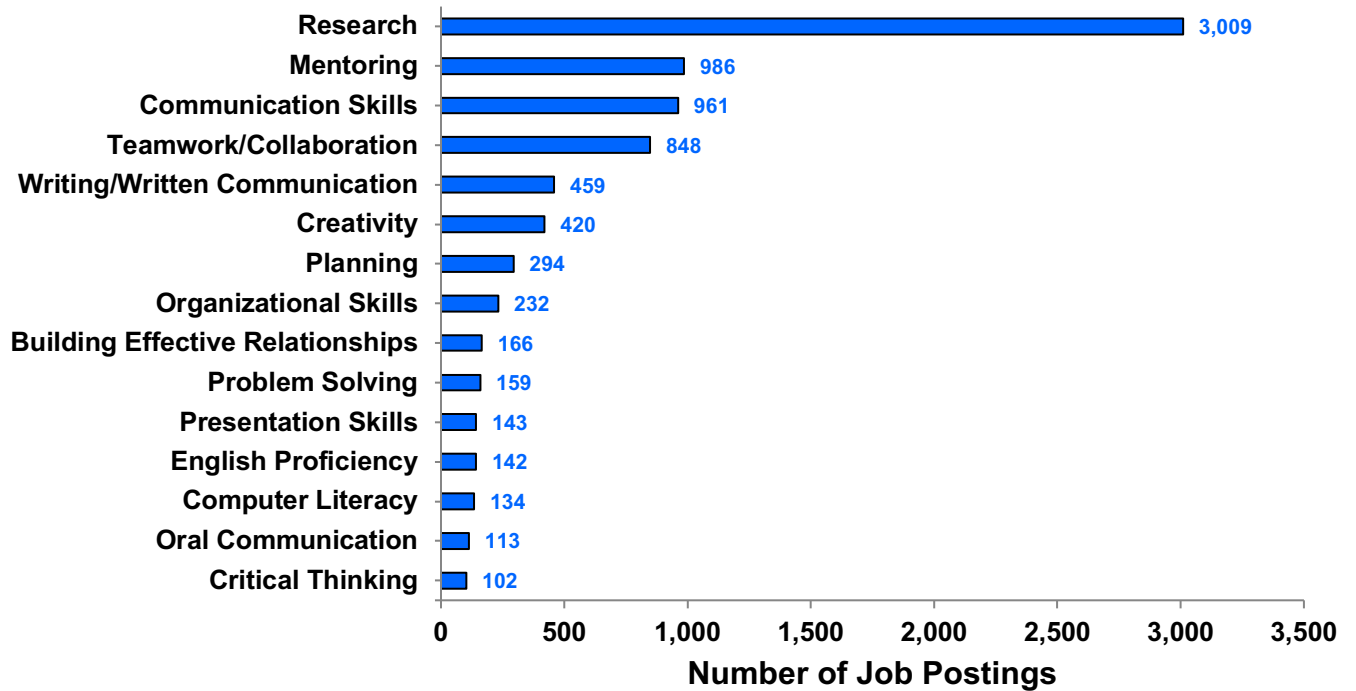
Job Titles: Teaching 2022



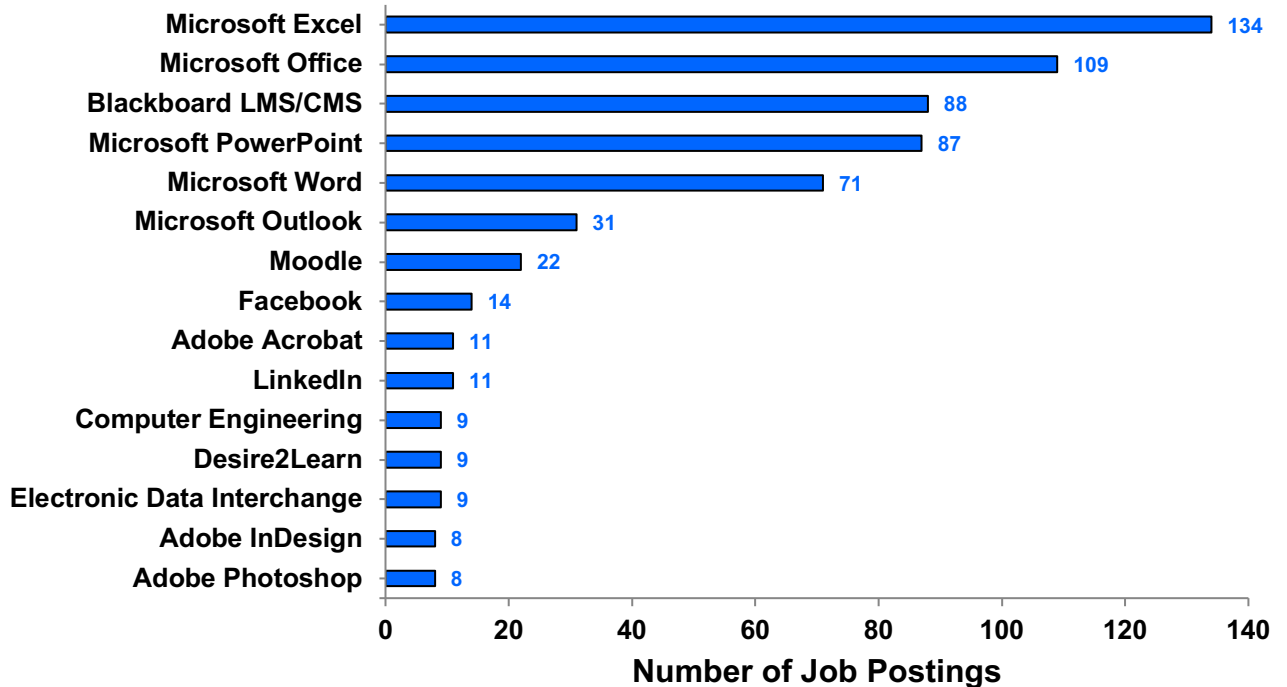
Specialized (Hard) Skills: Teaching 2022



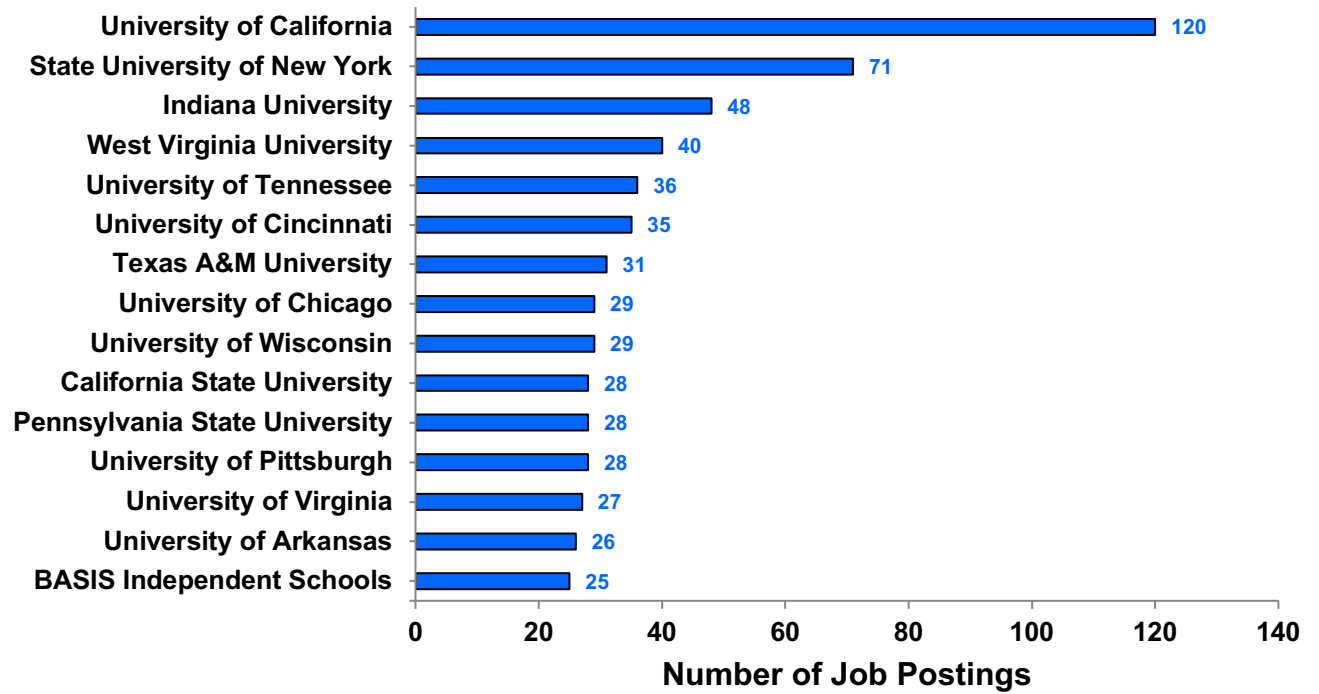
Baseline (Soft) Skills: Teaching 2022



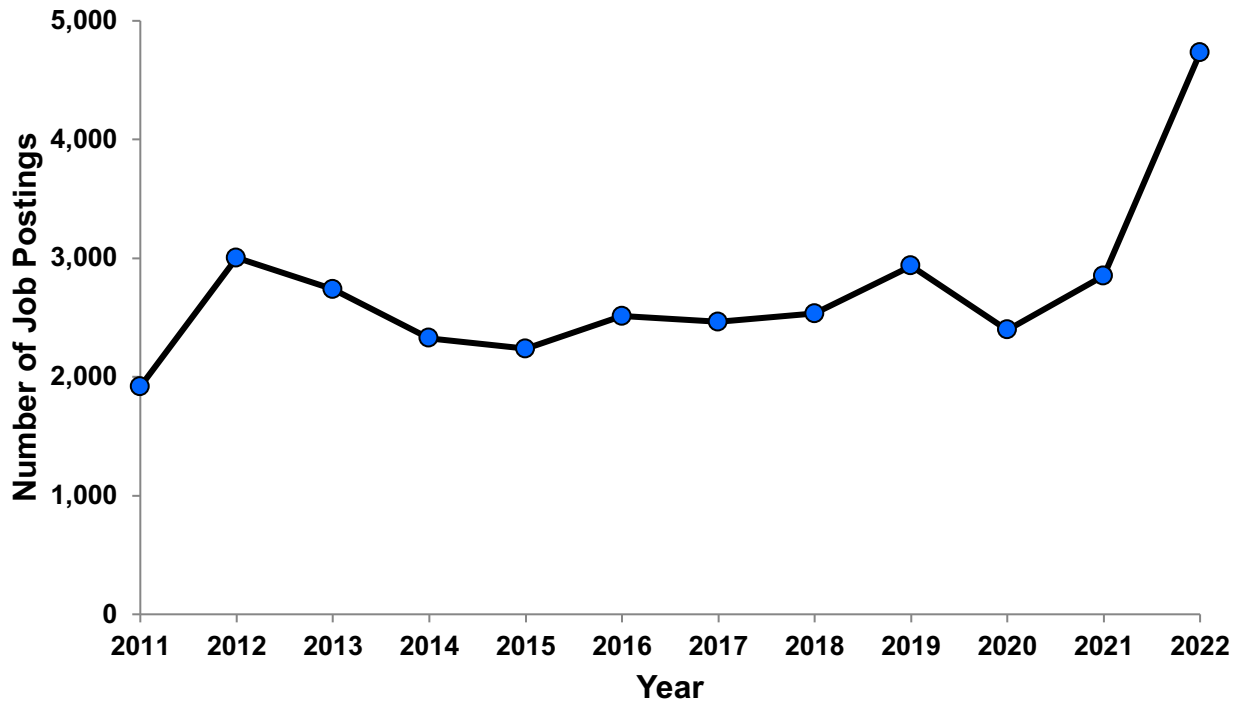
Computer Skills: Teaching 2022



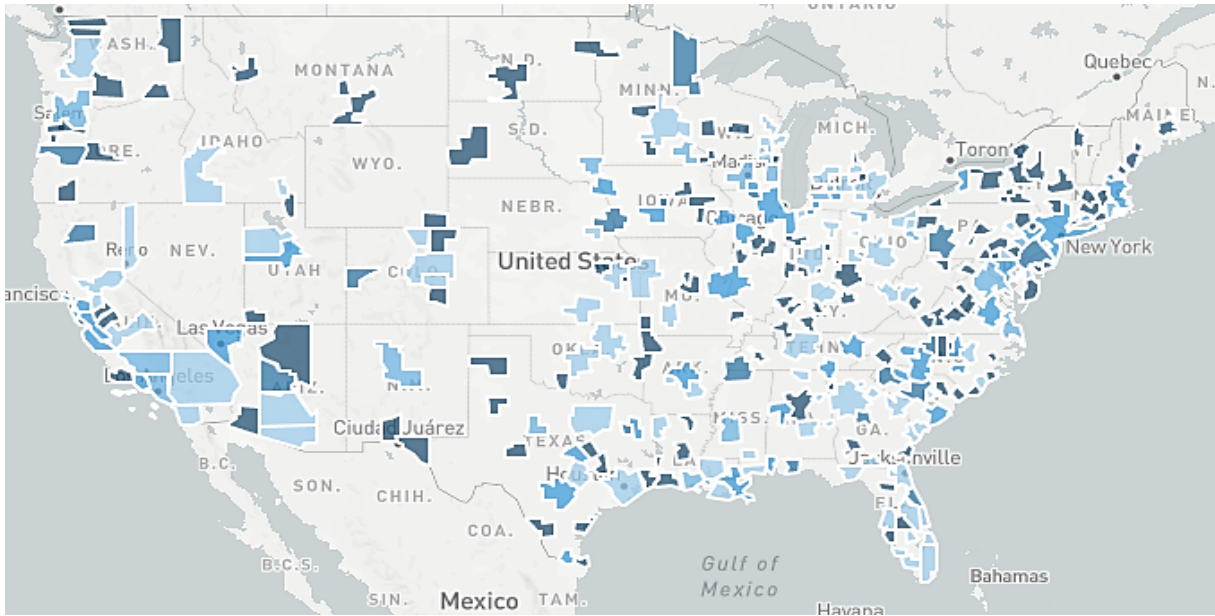
Employers: Teaching 2022



Job Postings by Year: Teaching 2011-2022



Demand Areas by MSA: Teaching 2022

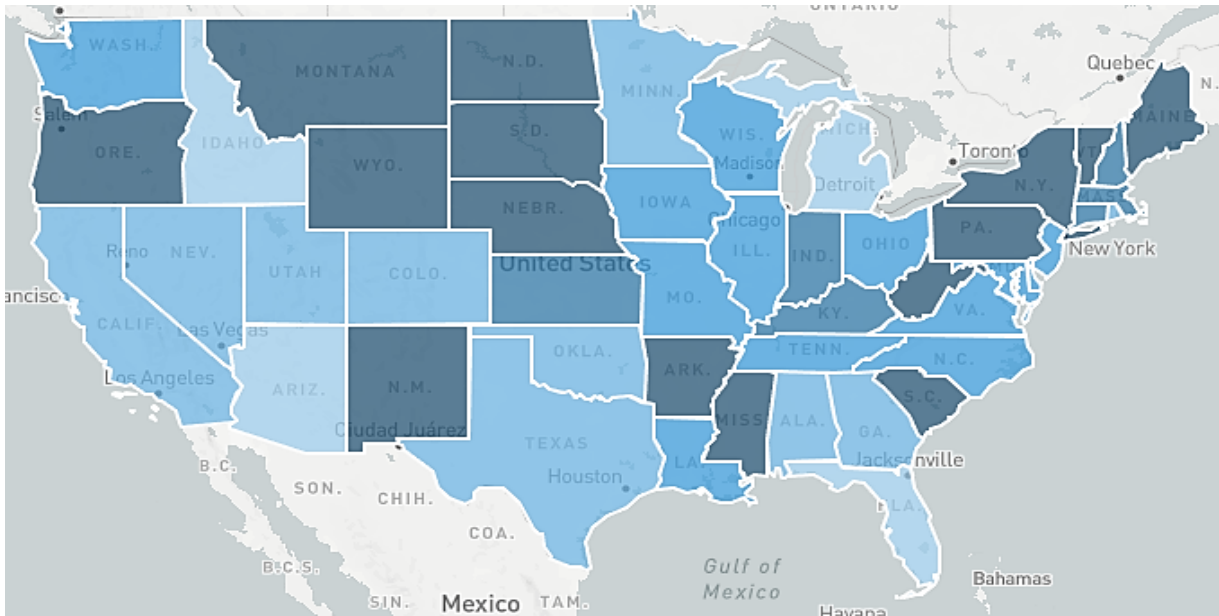


Much Lower
 Lower
 Average
 Higher
 Much Higher

Metropolitan Statistical Area (MSA)	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	263
Los Angeles-Long Beach-Anaheim, CA	146
Chicago-Naperville-Elgin, IL-IN-WI	142
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	124
Boston-Cambridge-Nashua, MA-NH*	116
San Francisco-Oakland-Hayward, CA	96
Washington-Arlington-Alexandria, DC-VA-MD-WV	74
Cincinnati, OH-KY-IN	65
Atlanta-Sandy Springs-Roswell, GA	57
Miami-Fort Lauderdale-West Palm Beach, FL	57
Charlotte-Concord-Gastonia, NC-SC	53
Pittsburgh, PA	51
Houston-The Woodlands-Sugar Land, TX	49
San Jose-Sunnyvale-Santa Clara, CA	48
St. Louis, MO-IL	46

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Teaching 2022



Much Lower
 Lower
 Average
 Higher
 Much Higher

State	Job Postings
California	468
New York	324
Texas	300
Pennsylvania	285
Florida	190
Massachusetts	185
North Carolina	178
Illinois	177
Ohio	148
Virginia	139
Indiana	138
Georgia	119
New Jersey	114
Oregon	112
Washington	105